

Best Available Copy

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Continued

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CHRNA5	M83712	118505	GEN-3YQ	Nicotinic, Cholinergic receptor alpha 5	1340	1192G>A	D398N
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	28	28G>C	V10L
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	98	98T>A	F33Y
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	102	102A>C	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	144	144A>C	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	240	240T>G	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	257	257G>A	G86E
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	292	292G>G	H98D
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	362	362G>T	R121M
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	391	391T>G	W131G
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	418	418T>G	Y140D

M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	453	453A>C	K151N
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	527	527T>A	V176E
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	539	539T>G	L180W
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	622	622G>C	A208P
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	630	630A>G	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	666	666A>G	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	762	762C>T	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	789	789A>G	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	806	806C>T	A269V
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	807	807G>A	S

M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	808	808G>T	A270S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	819	819G>A	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	829	829C>G	Q277E
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	868	868T>C	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	870	870G>C	L290F
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	900	900G>A	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	901	901T>G	S301A
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	916	916A>G	I306V
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	945	945G>A	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	952	952T>C	F318L
M84379	M84379	142800	GEN-SA	Human MHC class I	967	967A>G	T323A

M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	987	987T>C	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	992	992T>G	M331R
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	1005	1005G>C	K335N
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	1013	1013A>G	D338G
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	1029	1029C>T	S
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	1033	1033T>A	S345T
M84379	M84379	142800	GEN-SA	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	1072	1072G>A	V358M
M84526	M84526	134350	GEN-3ZL	Human adipsin/complement factor D mRNA, complete cds	46	(-9)C>T	5
M84526	M84526	134350	GEN-3ZL	Human adipsin/complement factor D mRNA, complete cds	399	345C>A	S
M84526	M84526	134350	GEN-3ZL	Human adipsin/complement factor D mRNA, complete cds	408	354A>G	S
M84526	M84526	134350	GEN-	Human	859	805C>T	3

M84526	M84526	134350	3ZL	adipsin/complement factor D mRNA, complete cds	Human	891	837G>C	3
M84747	M84747	300007	GEN-3ZL	adipsin/complement factor D mRNA, complete cds	Human	1273	1094G>A	R365H
TGFBR2	M85079	190182	GEN-3ZS	Interleukin 9 receptor Human TGF-beta type II receptor mRNA, complete cds		2045	1710A>C	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds		1653	1569T>A	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds		2599	2515C>G	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds		2619	2535A>C	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds		2656	2572A>C	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds		2745	2661C>T	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds		2761	2677A>C	3
M86511	M86511	158120	GEN-419	Human monocyte antigen CD14 (CD14) mRNA, complete cds		1142	1067C>A	T356N
M86511	M86511	158120	GEN-419	Human monocyte antigen CD14 (CD14) mRNA, complete cds		1176	1101G>C	S
M87503	M87503	None	GEN-443	Human IFN-responsive transcription factor subunit mRNA, complete cds		1424	1390T>A	3
M87503	M87503	None	GEN-443	Human IFN-responsive transcription factor subunit mRNA, complete cds		1524	1490A>C	3
M89473	M89473	None	GEN-4FU	NEUROMEDIN K RECEPTOR mRNA, complete cds		1614	1471T>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2		2159	2062G>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2		2186	2089-2094ATTAA>ATATTA	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2		2186	2094delATAT	3

M90100	M90100	600262	GEN-1A	Cyclooxygenase-2 COX2	2230	TA	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase-2 COX2	2339	2133A>G	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase-2 COX2	2409	2242T>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase-2 COX2	2409	2312G>A	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase-2 COX2	2726	2629C>T	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase-2 COX2	2983	2886C>T	3
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	3846	3846C>T	S
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	5505	5505G>A	S
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	6582	6582A>G	S
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	6613	6613G>C	G2205R
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	6614	6614G>C	G2205A
M92303	M92303	114207	GEN-1C	L-Type voltage sensitive channel beta-1 receptor	860	711G>A	S
IL8RB	M94582	146928	GEN-49G	Interleukin 8 receptor	838	786T>C	S
IL8RB	M94582	146928	GEN-49G	Interleukin 8 receptor	1262	1210C>T	3
M95678	M95678	604114	GEN-4A6	Homo sapiens phospholipase C-beta-2 mRNA, complete cds	1346	1182T>C	S
M95678	M95678	604114	GEN-4A6	Homo sapiens phospholipase C-beta-2 mRNA, complete cds	3436	3272A>G	E1091G
M95678	M95678	604114	GEN-4A6	Homo sapiens phospholipase C-beta-2 mRNA, complete cds	4137	3973C>T	3
M95708	M95708	107271	GEN-SF	Homo sapiens Ly-6-like protein (CD59) mRNA, complete cds	497	435C>T	3
M96652	M96652	147851	GEN-65	Interleukin 5 receptor alpha	883	634T>G	S212A
M96954	M96954	603413	GEN-4B5	Homo sapiens nucleolysin mRNA, complete cds	957	912A>C	Q304H
ID2	M97796	600386	GEN-	Human helix-loop-helix	402	294C>G	S

M98045	M98045	136510	4C0	protein (Id-2) mRNA, complete cds Homo sapiens folypolyglutamate synthetase mRNA, complete cds	802	732C>T	S
M98045	M98045	136510	GEN-4C3	Homo sapiens folypolyglutamate synthetase mRNA, complete cds Homo sapiens folypolyglutamate synthetase mRNA, complete cds	1747	1677G>T	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folypolyglutamate synthetase mRNA, complete cds Homo sapiens folypolyglutamate synthetase mRNA, complete cds	1900	1830T>C	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folypolyglutamate synthetase mRNA, complete cds Homo sapiens folypolyglutamate synthetase mRNA, complete cds	1900	1830T>C	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folypolyglutamate synthetase mRNA, complete cds Homo sapiens folypolyglutamate synthetase mRNA, complete cds	1912	1842G>A	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folypolyglutamate synthetase mRNA, complete cds Homo sapiens folypolyglutamate synthetase mRNA, complete cds	1995	1925C>G	3
S46622	S46622	114107	GEN-1F	Calneurin A-gamma	1893	1607C>G	3
S46622	S46622	114107	GEN-1F	Calneurin A-gamma	1941	1655A>G	3
S57235	S57235	153634	GEN-37N	CD68=110kDa transmembrane glycoprotein [human, promonocyte cell line U937, mRNA, 1722 nt]	775	760A>C	K254Q
U00672	U00672	146933	GEN-4A	Interleukin 10 receptor	3377	3316A>C	3
U00672	U00672	146933	GEN-4A	Interleukin 10 receptor	3524	3463A>G	3
U02882	U02882	600129	GEN-XU	Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds	1798	1690T>C	C564R
U02882	U02882	600129	GEN-XU	Human rolipram-sensitive 3,5-cyclic AMP	1881	1773G>A	S

U02882	U02882	600129	GEN-XU	Human phosphodiesterase mRNA, complete cds	4691	4583T>G	3
U03858	U03858	600007	GEN-MDM	Human phosphodiesterase mRNA, complete cds	683	600C>T	S
U03858	U03858	600007	GEN-MDM	Fms-related tyrosine kinase 3 ligand	1016	933T>C	3
U03882	U03882	601267	GEN-12B	Fms-related tyrosine kinase 3 ligand	1436	1397G>A	3
DDH1	U05598	600450	GEN-184	Human monocyte chemoattractant protein 1 receptor (MCP-1RA) alternatively spliced mRNA, complete cds	38	15C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	282	259A>T	S87C
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	350	327C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	365	342T>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	464	441G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	474	451A>G	M151V
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	532	509A>G	H170R
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	538	515T>A	L172Q
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	689	666T>C	S

DDH1	U05598	600450	GEN-184	complete cds	806	783G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	872	849G>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	952	929T>G	I310S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1020	997G>A	3
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1035	1012G>A	3
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1112	1089C>T	3
U05875	U05875	147569	GEN-18J	Human clone pSK1	2047	1399C>G	3
U05875	U05875	147569	GEN-18J	Interferon gamma receptor accessory factor-1 (AF-1) mRNA, complete cds	2087	1439T>C	3
XDH	U06117	278300	GEN-194	Human clone pSK1 interferon gamma receptor accessory factor-1 (AF-1) mRNA, complete cds	3951	3888C>G	S
U07225	U07225	600041	GEN-1DM	Human xanthine dehydrogenase (XDH) mRNA, complete cds	2008	1763G>A	3
U07989	U07989	None	GEN-Q2	P2Y2 purinoreceptor mRNA, complete cds	39	39T>A	S
U07989	U07989	None	GEN-Q2	Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds	307	307G>C	V103L
U07989	U07989	None	GEN-Q2	Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds	312	312A>G	S

U07989	U07989	None	GEN-Q2	Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds	568	568G>C	V190L
U07989	U07989	None	GEN-Q2	Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds	610	610G>A	V204I
U08015	U08015	600489	GEN-1FD	Human NF-ATc mRNA, complete cds	530	291C>T	S
U08015	U08015	600489	GEN-1FD	Human NF-ATc mRNA, complete cds	1094	855G>A	S
U08015	U08015	600489	GEN-1FD	Human NF-ATc mRNA, complete cds	2222	1983G>A	S
U08015	U08015	600489	GEN-1FD	Human NF-ATc mRNA, complete cds	2225	1986A>G	S
U08015	U08015	600489	GEN-1FD	Human NF-ATc mRNA, complete cds	2295	2056A>C	S686R
U09117	U09117	602142	GEN-1GC	Phospholipase C delta-1	333	239G>A	R80H
U09117	U09117	602142	GEN-1GC	Phospholipase C delta-1	460	366G>A	S
U09117	U09117	602142	GEN-1GC	Phospholipase C delta-1	1858	1764G>A	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	838	396T>C	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	1369	927A>G	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	1567	1125C>G	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2080	1638G>T	3
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2199	1757G>A	3
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2349	1907G>T	3
U09607	U09607	600173	GEN-	Janus kinase 3 (a protein	1925	1830G>A	M610I

U09759	U09759	602896	MKU GEN- 1HA	tyrosine kinase, (leukocyte) Human protein kinase (JNK2) mRNA, complete cds	303	152A>G	N51S
U09759	U09759	602896	GEN- 1HA	Human protein kinase (JNK2) mRNA, complete cds	1079	928A>G	I310V
U09759	U09759	602896	GEN- 1HA	Human protein kinase (JNK2) mRNA, complete cds	1280	1129C>T	P377S
U09759	U09759	602896	GEN- 1HA	Human protein kinase (JNK2) mRNA, complete cds	1559	1408C>T	3
U09806	U09806	None	GEN- 4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	120	120T>C	S
U09806	U09806	None	GEN- 4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	473	473G>A	R158Q
U09806	U09806	None	GEN- 4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	550	550C>T	F
U09806	U09806	None	GEN- 4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	668	668C>T	A223V
U09806	U09806	None	GEN- 4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	1059	1059T>C	S
U09806	U09806	None	GEN- 4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	1289	1289C>A	E430A
U09806	U09806	None	GEN- 4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	1308	1308T>C	3

OPRD1	U10504	165195	GEN-4F5	Human delta opiate receptor mRNA, complete cds	921	921T>C	S
U11276	U11276	602890	GEN-1K3	Human hNKR-P1a protein (NKR-P1A) mRNA, complete cds	563	503T>C	I168T
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	536	460G>A	A154T
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	795	719A>G	Y240C
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1085	1009T>C	3
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1336	1260C>T	3
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1373	1297G>A	3
U12507	U12507	600681	GEN-1MD	Cardiac inward rectifier potassium channel (Hh-IRK1)	338	13C>A	S
U12507	U12507	600681	GEN-1MD	Cardiac inward rectifier potassium channel (Hh-IRK1)	1597	1272G>A	S
U12597	U12597	601895	GEN4E	tumor necrosis factor type 2 receptor associated protein (TRAP3)	2182	2128G>T	3
U13737	U13737	600636	GEN-1PC	Human cysteine protease CPP32 Isoform alpha mRNA, complete cds	2356	2132A>C	3
U13737	U13737	600636	GEN-1PC	Human cysteine protease CPP32 Isoform alpha mRNA, complete cds	2535	2311C>T	3
U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	2128	2104A>C	M702L
U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	2516	2492T>G	L831W

U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	2720	2696C>G	A899G
U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	2792	2768C>T	A923V
U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	2828	2804C>G	A935G
U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	2903	2879C>G	A960G
U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	2967	2943G>A	S
U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	3333	3309G>A	3
U14510	U14510	602698	GEN-1RD	Human transcription factor NFATx mRNA, complete cds	3577	3553G>A	3
U14650	U14650	602243	GEN-1RL	Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds	638	579A>G	S
U14650	U14650	602243	GEN-1RL	Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds	1048	989G>A	3
U14650	U14650	602243	GEN-1RL	Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds	1171	1112T>C	3
U14650	U14650	602243	GEN-1RL	Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds	1263	1204G>C	3
U14650	U14650	602243	GEN-1RL	Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds	1301	1242C>T	3
U14650	U14650	602243	GEN-1RL	Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds	1351	1292T>C	3
U14650	U14650	602243	GEN-	Human platelet-endothelial	1389	1330A>T	3

U14650	U14650	602243	GEN-1RL	tetraspan antigen 3 mRNA, complete cds	1404	1345G>A	3
U15637	U15637	601896	GEN-1U8	Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds	596	386T>C	M129T
U15637	U15637	601896	GEN-1U8	Human CD40 binding protein (CD40bp) mRNA, complete cds	1317	1107C>T	S
U16031	U16031	None	GEN-HX	Human CD40 binding protein (CD40bp) mRNA, complete cds	2964	2799G>A	3
SDF1	U16752	600835	GEN-1YK	Transcription Factor IL-4 Stat	47	(-34)C>T	5
SDF1	U16752	600835	GEN-1YK	Human cytokine SDF-1-beta mRNA, complete cds	2927	2847G>C	3
SDF1	U16752	600835	GEN-1YK	Human cytokine SDF-1-beta mRNA, complete cds	3159	3079T>C	3
SDF1	U16752	600835	GEN-1YK	Human cytokine SDF-1-beta mRNA, complete cds	3294	3214T>G	3
NOS1	U17327	163731	GEN-209	Human neuronal nitric oxide synthase (NOS1) mRNA, complete cds	3391	2706C>T	S
PDE4A	U18087	600126	GEN-214	Human 3,5-cyclic AMP phosphodiesterase	642	633T>G	S
PDE4A	U18087	600126	GEN-214	HPDE4A6 mRNA, complete cds	804	795T>C	S
PDE4A	U18087	600126	GEN-214	Human 3,5-cyclic AMP phosphodiesterase	1616	1607A>C	E536A
U18242	U18242	601118	GEN-1N	HPDE4A6 mRNA, complete cds	1117	1081T>G	3
U19487	U19487	176804	GEN-4I	Cyclophilin Ligand (calcium modulating) PROSTAGLANDIN E2 RECEPTOR, EP2 SUBTYPE	85	(-72)A>G	5

U19487	U19487	176804	GEN-4I	PROSTAGLANDIN E2 RECEPTOR, EP2 SUBTYPE	231	75A>T	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	53	(-43)T>C	5
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	175	80G>A	R27H
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	175	80G>A	R27H
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	341	246C>G	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	791	696C>T	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	1067	972G>A	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2100	2005^2006insG	F
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2582	2487T>G	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2582	2487T>G	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2617	2522C>T	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2617	2522C>T	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2652	2557T>C	3
U19775	U19775	600289	GEN-22C	Human MAP kinase Mxi2 (Mxi2) mRNA, complete cds	731	688G>A	D230N
U20157	U20157	601690	GEN-234	Human platelet-activating factor acetylhydrolase mRNA, complete cds	1297	1136T>C	V379A
U20350	U20350	602237	GEN-239	Human G protein-coupled receptor V28 mRNA, complete cds	1304	1217T>C	3
U20536	U20536	601532	GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	982	904C>T	3
U20536	U20536	601532	GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2)	1117	1039G>A	3

U20536	U20536	601532	GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	1322	1244T>C	3
U20536	U20536	601532	GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	1363	1285T>C	3
U21847	U21847	601878	GEN-252	Human TGF-beta inducible early protein (TIEG) mRNA, complete cds	986	900C>T	S
U21847	U21847	601878	GEN-252	Human TGF-beta inducible early protein (TIEG) mRNA, complete cds	1670	1584C>T	3
U21847	U21847	601878	GEN-252	Human TGF-beta inducible early protein (TIEG) mRNA, complete cds	2542	2456A>C	3
U23143	U23143	138450	GEN-M1Y	Human mitochondrial serine hydroxymethyltransferase gene, nuclear encoded mitochondrial protein, complete cds	506	506T>G	F169C
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha mRNA, complete cds	335	335C>T	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha mRNA, complete cds	386	386T>C	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha mRNA, complete cds	1069	1069C>T	3
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	476	442T>C	F148L
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	481	447A>G	S
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	542	508C>G	L170V
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	578	544C>T	3
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	614	530T>C	3
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	616	582G>A	3
CSNK1D	U29171	600864	GEN-	Human casein kinase I	1612	1435C>A	3

U31628	U31628	601070	GEN-4J	2E2	delta mRNA, complete cds Interleukin 15 receptor alpha chain	1250	1168G>T	3
U32324	U32324	600939	GEN-4K		Interleukin 11 receptor alpha chain	1266	1205C>A	P402Q
U32324	U32324	600939	GEN-4K		Interleukin 11 receptor alpha chain	1513	1452C>T	3
U32989	U32989	191070	GEN-2JH		Human tryptophan oxygenase (TDO) mRNA, complete cds	991	927G>A	S
U33017	U33017	603492	GEN-2JO		Human signaling molecule (SLAM) mRNA, complete cds	1489	1356A>T	3
U33017	U33017	603492	GEN-2JO		Human signaling molecule (SLAM) mRNA, complete cds	1661	1528C>T	3
U37448	U37448	601761	GEN-2OC		Human Mch3 isoform alpha (Mch3) mRNA, complete cds	736	693G>A	S
U37448	U37448	601761	GEN-2OC		Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1285	1242T>C	3
U37448	U37448	601761	GEN-2OC		Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1294	1251T>C	3
U37448	U37448	601761	GEN-2OC		Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1580	1537A>T	3
U37448	U37448	601761	GEN-2OC		Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1621	1578G>T	3
U37448	U37448	601761	GEN-2OC		Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1715	1672G>A	3
U37448	U37448	601761	GEN-2OC		Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1764	1721G>A	3
U37518	U37518	None	GEN-2OG		Human TNF-related apoptosis inducing ligand	912	825C>T	S

U37518	U37518	None	GEN-20G	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1140	1053A>G	3
U37518	U37518	None	GEN-20G	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1289	1202C>A	3
U37518	U37518	None	GEN-20G	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1525	1438G>A	3
U37518	U37518	None	GEN-20G	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1588	1501G>A	3
U37518	U37518	None	GEN-20G	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1595	1508C>T	3
TAC2	U37529	162320	GEN-20H	Substance P beta-PPT-A	644	499G>A	3
TAC2	U37529	162320	GEN-20H	Substance P beta-PPT-A	694	549T>C	3
TAC2	U37529	162320	GEN-20H	Substance P beta-PPT-A	799	654A>G	3
TAC2	U37529	162320	GEN-20H	Substance P beta-PPT-A	826	681C>T	3
U39656	U39656	601254	GEN-2Q8	Human MAP kinase kinase 6 (MKK6) mRNA, complete cds	431	91A>C	S
U39656	U39656	601254	GEN-2Q8	Human MAP kinase kinase 6 (MKK6) mRNA, complete cds	713	373G>A	V125M
U40038	U40038	600998	GEN-70	Guanine nucleotide binding protein (G protein), q polypeptide	825	783C>T	S
U40038	U40038	600998	GEN-70	Guanine nucleotide binding protein (G protein), q	878	836T>C	L279P

U40038	U40038	600998	GEN-7O	Guanine nucleotide binding protein (G protein), q polypeptide	1029	987G>A	S
U40038	U40038	600998	GEN-7O	Guanine nucleotide binding protein (G protein), q polypeptide	1051	1009A>G	I337V
U40038	U40038	600998	GEN-7O	Guanine nucleotide binding protein (G protein), q polypeptide	1068	1026T>A	S
U40038	U40038	600998	GEN-7O	Guanine nucleotide binding protein (G protein), q polypeptide	1093	1051T>C	S
U40282	U40282	602366	GEN-2RJ	Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds	453	297C>T	S
U40282	U40282	602366	GEN-2RJ	Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds	975	819G>A	S
U40282	U40282	602366	GEN-2RJ	Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds	1580	1424G>A	3
U40282	U40282	602366	GEN-2RJ	Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds	1670	1514G>C	3
U40282	U40282	602366	GEN-2RJ	Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds	1769	1613A>C	3
U40347	U40347	600950	GEN-2RK	Human serotonin N-acetyltransferase mRNA, complete cds	382	148G>A	E50K
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	661	654T>C	S
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	697	690A>G	S
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	940	933G>A	S
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	1276	1269T>C	S
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	1790	1783A>T	3

U40583	U40583 118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	1792	1785T>A	3
U43030	U43030 600435	GEN-LFI	Human cardiotrophin-1 (CTF1) mRNA, complete cds	1404	1372C>T	3
U43142	U43142 601528	GEN-2UM	Human vascular endothelial growth factor related protein VRP mRNA, complete cds	1499	1128C>T	S
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	446	253A>G	T85A
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	519	326A>G	K109R
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	861	668A>G	Q223R
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	1222	1029T>C	S
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	2161	1988G>C	K656N
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	2174	1981A>C	T661P
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	2764	2571T>G	S
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	3151	2958C>T	S
LEPR	U43168 601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	3250	3057G>A	S
U45448	U45448 600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	1424	1228A>G	3
U45448	U45448 600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	1604	1408C>G	3
U45448	U45448 600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	1719	1523G>A	3
U45448	U45448 600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	1827	1631G>A	3
U45448	U45448 600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	2286	2090G>A	3
SCYA11	U46573 601156	GEN-2WZ	Human eotaxin precursor mRNA, complete cds	120	67G>A	A23T
SCYA11	U46573 601156	GEN-2WZ	Human eotaxin precursor mRNA, complete cds	554	501T>C	3

U47634	U47634	None	GEN-2XR	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	1005	1005C>T	S
U47634	U47634	None	GEN-2XR	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	1035	1035C>T	S
U47634	U47634	None	GEN-2XR	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	1431	1431T>C	3
U47634	U47634	None	GEN-2XR	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	1502	1502G>A	3
U49516	U49516	312861	GEN-1Q	Serotonin 5-HT receptors 5-HT2C	2915	2187A>C	3
U49516	U49516	312861	GEN-1Q	Serotonin 5-HT receptors 5-HT2C	2947	2219A>G	3
U50040	U50040	601582	GEN-2ZR	Human signaling inositol polyphosphate 5 phosphatase Sip-110 mRNA, complete cds	196	180A>G	S
U50040	U50040	601582	GEN-2ZR	Human signaling inositol polyphosphate 5 phosphatase Sip-110 mRNA, complete cds	418	402C>G	S
U50040	U50040	601582	GEN-2ZR	Human signaling inositol polyphosphate 5 phosphatase Sip-110 mRNA, complete cds	2613	2597C>A	P866H
U50040	U50040	601582	GEN-2ZR	Human signaling inositol polyphosphate 5 phosphatase Sip-110 mRNA, complete cds	2638	2622G>A	S
U50040	U50040	601582	GEN-2ZR	Human signaling inositol polyphosphate 5 phosphatase Sip-110 mRNA, complete cds	2882	2866C>T	H956Y
U50040	U50040	601582	GEN-2ZR	Human signaling inositol polyphosphate 5 phosphatase Sip-110 mRNA, complete cds	3193	3177C>T	3
U50040	U50040	601582	GEN-	Human signaling inositol	3222	3206C>T	3

U50040	U50040	601582	2ZR	polyphosphate 5 phosphatase SLP-110 mRNA, complete cds	3863	3847G>A	3
IRF4	U52682	601900	GEN-2ZR	Human lymphocyte specific interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds	4296	4297G>A	3
IRF4	U52682	601900	GEN-33X	Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds	4680	4681T>G	3
IRF4	U52682	601900	GEN-33X	Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds	4732	4733T>G	3
IRF4	U52682	601900	GEN-33X	Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds	4942	4943A>G	3
IRF4	U52682	601900	GEN-33X	Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds	5079	5080T>C	3
U55206	U55206	None	GEN-352	Human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	75	16T>C	C6R
U55206	U55206	None	GEN-352	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	150	91G>A	A31T
U55206	U55206	None	GEN-511	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	511	452C>T	T151I

U55206	U55206	None	GEN-352	gamma-glutamyl hydrolase (hGH) mRNA, complete cds	1161	1102A>G	3
U56390	U56390	602234	GEN-36X	Human cysteine protease ICE-LAP6 mRNA, complete cds	411	408C>T	5
U58196	U58196	147685	GEN-67	ENHANCER-BINDING FACTOR	2711	2514A>G	3
U59863	U59863	None	GEN-3A7	Human TRAF-interacting protein I-TRAF mRNA, complete cds	367	209A>G	D70G
U59863	U59863	None	GEN-3A7	Human TRAF-interacting protein I-TRAF mRNA, complete cds	1863	1705A>T	3
U59863	U59863	None	GEN-3A7	Human TRAF-interacting protein I-TRAF mRNA, complete cds	2046	188G>A	3
U60519	U60519	601762	GEN-3AZ	Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds	304	157G>A	E53K
U60519	U60519	601762	GEN-3AZ	Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds	324	177A>G	5
U60800	U60800	None	GEN-3BC	Human semaphorin (CD100) mRNA, complete cds	779	692T>G	V231G
U61849	U61849	602367	GEN-3C0	Human neuronal pentraxin 1 (NPTX1) mRNA, complete cds	4963	4825T>C	3
CHRNA2	U62431	118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2296	1742C>G	3
CHRNA2	U62431	118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2387	1833C>T	3
CHRNA2	U62431	118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2504	1950G>T	3
CHRNA2	U62431	118502	GEN-	Nicotinic, Cholinergic receptor alpha 2	2538	1984G>A	3

U62433	U62433	118504	GEN-4P	receptor alpha 2	870	639C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	870	639C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	909	678C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	909	678C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1440	1209T>G	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1440	1209T>G	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1458	1227C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1584	1353G>A	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1781	1550C>T	S517L
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1860	1629C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1860	1629C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1890	1659G>A	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1890	1659G>A	S
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	343	50G>A	R17K
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	1014	721G>A	V241I
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	1218	925A>G	3
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	1249	956C>T	3
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	1453	1160G>A	3

U70451	U70451	602170	GEN-3KB	Human myeloid differentiation primary response protein MyD88 mRNA, complete cds	2167	2135A>G	3
U70451	U70451	602170	GEN-3KB	Human myeloid differentiation primary response protein MyD88 mRNA, complete cds	2516	2484A>G	3
U71321	U71321	602623	GEN-27W	Human FK506-binding protein FKBP51 mRNA, complete cds	1248	1095C>T	S
U71321	U71321	602623	GEN-27W	Human FK506-binding protein FKBP51 mRNA, complete cds	1425	1272G>A	S
U73338	U73338	156570	GEN-69	Methionine Synthase mRNA, complete cds	1158	764G>A	C255Y
U73338	U73338	156570	GEN-69	Methionine Synthase mRNA, complete cds	5095	4701G>A	3
U73338	U73338	156570	GEN-69	Methionine Synthase mRNA, complete cds	6750	6356G>A	3
U75283	U75283	None	GEN-3NV	Human sigma receptor mRNA, complete cds	251	204G>A	S
U75283	U75283	None	GEN-3NV	Human sigma receptor mRNA, complete cds	1625	1578A>C	3
U78294	U78294	603697	GEN-3QZ	Homo sapiens 15S-lipoxygenase mRNA, complete cds	2449	2378A>G	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1989	1811G>A	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1996	1818C>T	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	2045	1867T>C	3
U84487	U84487	601880	GEN-3ZJ	Human CX3C chemokine precursor, mRNA, alternatively spliced, complete cds	3015	2936T>C	3

U84487	U84487	601880	GEN-32J	Human CX3C chemokine precursor, mRNA, alternatively spliced, complete cds	3058	2979T>C	3
U86358	U86358	602565	GEN-LR6	Human chemokine (TECK) mRNA, complete cds	378	378A>G	S
CD39	U87967	601752	GEN-44L	diphosphohydrolase mRNA, complete cds	1233	1203C>T	S
V00537	V00537	147578	GEN-U1	Interferon alpha 13	40	(-17)T>C	5
V00537	V00537	147578	GEN-U1	Interferon alpha 13	55	(-2)C>T	5
V00537	V00537	147578	GEN-U1	Interferon alpha 13	466	410C>T	A137V
V00537	V00537	147578	GEN-U1	Interferon alpha 13	808	752G>A	3
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	47	(-10)G>A	5
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	50	(-7)A>G	5
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	579	523T>C	F175L
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	630	574C>G	3
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	740	684C>T	3
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	760	704T>A	3
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	771	715G>A	3
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	775	719T>A	3
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	812	756T>G	3
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	898	842A>T	3
IFNA14	V00542	147579	GEN-TT	Interferon alpha 14	921	865G>A	3
IFNB1	V00546	147640	GEN-TV	Messenger RNA for human fibroblast interferon	474	410T>G	L137R
V00548	V00548	147562	GEN-P2	Human messenger RNA for leukocyte (alpha-2) interferon	119	119G>A	R40K
IFNA10	V00551	147577	GEN-TS	Interferon alpha 7	462	416C>T	S139F
IFNA10	V00551	147577	GEN-TS	Interferon alpha 7	510	464T>C	I155T
IFNA10	V00551	147577	GEN-TS	Interferon alpha 7	516	470G>A	R157K
IFNA10	V00551	147577	GEN-TS	Interferon alpha 7	712	666G>C	3
IFNA10	V00551	147577	GEN-TS	Interferon alpha 7	716	670C>T	3
V00567	V00567	109700	GEN-P3	Human messenger RNA fragment for the beta-2 microglobulin	303	303C>A	S
HLA-	X00033	146880	GEN-T0	Human RNA sequence of	41	22A>C	MLB

DQA1							
HLA-DQA1	X00033 146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	79	60T>C	S	
HLA-DQA1	X00033 146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	145	126C>T	S	
HLA-DQA1	X00033 146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	157	138C>G	S	
HLA-DQA1	X00033 146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	162	143T>A	F48Y	
HLA-DQA1	X00033 146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	165	146C>G	T49S	
HLA-DQA1	X00033 146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	227	208A>C	K70Q	

HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	243	224A>G	H75R
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	248	229C>T	L77F
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	298	279T>C	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	311	292C>G	L98V
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	334	315C>T	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	388	369A>G	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	559	540T>G	S

HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	564	545C>A	A182D
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	607	588T>C	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	644	625G>A	A209T
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	646	627A>C	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	679	660T>C	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	688	669G>A	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	704	685G>A	V229M

HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	721	702G>C	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	724	705C>T	S
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	730	711G>C	L237F
HLA-DQA1	X00033	146880	GEN-T0	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	800	781A>G	3
X00497	X00497	142790	GEN-TN	Human mRNA for HLA-DR antigens associated invariant chain (p33)	805	750A>G	3
X00497	X00497	142790	GEN-TN	Human mRNA for HLA-DR antigens associated invariant chain (p33)	881	826A>G	3
X00497	X00497	142790	GEN-TN	Human mRNA for HLA-DR antigens associated invariant chain (p33)	1144	1089C>G	3
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	13	13T>A	S5T
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	91	91T>A	S31T
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	94	94C>T	R32C

HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	151	151C>A	L51M
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	154	154C>A	S
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	158	158G>C	S53T
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	213	213G>A	S
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	281	281C>T	T94M
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	306	306C>T	S
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	341	341A>G	Q114R
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	353	353G>A	R118Q
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	488	488C>T	T163M
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	496	496T>C	S166P
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	524	524C>T	T175I
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	568	568A>G	R190G
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	600	600G>A	S
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	708	708C>G	F
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	761	761G>A	3
HLA-DPB1	X00532	142858	GEN-U2	Human mRNA for SB beta-chain (clone pII-beta-7)	840	840G>A	3
EGFR	X00663	131550	GEN-U4	Human mRNA fragment for epidermal growth factor (EGF) receptor	1136	1136G>A	R379K
EGFR	X00663	131550	GEN-U4	Human mRNA fragment for epidermal growth factor (EGF) receptor	1935	1935A>G	S
EGFR	X00663	131550	GEN-U4	Human mRNA fragment for epidermal growth factor (EGF) receptor	2283	2283C>T	S

X00734	X00734	None	GEN-MST	Human beta-tubulin gene (5'-beta) with ten Alu family members	1059	1059G>T	S
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	59	(-51)T>G	5
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	169	60T>C	S
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	260	151A>G	S51G
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	280	171T>C	S
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	1254	1145G>A	3
X01394	X01394	191160	GEN-4Y	Tumor necrosis factor	125	(-28)C>T	5
X01586	X01586	147680	GEN-PC	Interleukin 2	332	225T>G	H75Q
X01586	X01586	147680	GEN-PC	Interleukin 2	563	456G>A	S
X02317	X02317	147450	GEN-KM	Superoxide dismutase 1 (Cu/Zn)	614	550A>C	3
X02469	X02469	191170	GEN-PF	Human mRNA for p53 cellular tumor antigen	350	215G>G	P72R
X02469	X02469	191170	GEN-PF	Human mRNA for p53 cellular tumor antigen	953	818G>A	R273H
X02492	X02492	147572	GEN-1T	Interferon alpha inducible protein	415	346C>G	R116G
X02492	X02492	147572	GEN-1T	Interferon alpha inducible protein	417	348G>C	S
X02598	X02598	305370	GEN-X6	Human mRNA for EPA glycoprotein (erythroid-potentiating activity)	64	23C>T	A8V
X02598	X02598	305370	GEN-X6	Human mRNA for EPA glycoprotein (erythroid-potentiating activity)	108	67C>G	P23A
X02598	X02598	305370	GEN-X6	Human mRNA for EPA glycoprotein (erythroid-potentiating activity)	298	257C>A	T86N
X02598	X02598	305370	GEN-X6	Human mRNA for EPA	413	372T>C	S

X02812	X02812	190180	GEN-XR	glycoprotein (erythroid-potentiating activity) Human mRNA for transforming growth factor-beta (TGF-beta)	870	29C>T	P10L
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	979	138C>G	I46M
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1632	791C>T	T264I
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1807	966C>T	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1930	1089G>A	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1942	1101C>T	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	2013	1172G>A	S391N
HLA-DOB	X03066	600629	GEN-ZG	Human mRNA for HLA-D class II antigen DO beta chain	32	(-25)G>A	5
HLA-DOB	X03066	600629	GEN-ZG	Human mRNA for HLA-D class II antigen DO beta chain	1147	1091C>T	3
HLA-DOB	X03066	600629	GEN-ZG	Human mRNA for HLA-D class II antigen DO beta chain	1299	1243A>G	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	79	(-3)A>G	5
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	97	16T>G	S6A
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	203	122A>T	Y41F

X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	318	237C>T	S
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	408	327G>A	S
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	523	442A>G	I148V
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	550	469A>G	S157G
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	566	485G>A	R162Q
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	597	516C>T	S
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	618	537C>T	S
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	627	546C>T	S
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	639	558C>T	S
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	677	596G>A	R199H
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	684	603T>C	S
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	767	686G>A	S229N
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	784	703G>A	V235I
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	816	735T>C	S

X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	822	741T>G	S
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	848	767G>A	R256Q
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	879	798G>A	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	889	808A>G	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	892	811C>T	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	924	843C>G	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	998	917A>G	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	1073	992A>T	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	1082	1001A>G	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	1095	1014C>T	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	1107	1026C>T	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	1117	1036A>T	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	1128	1047G>A	3
X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D	1133	1052C>T	3

X03068	X03068	142857	GEN-ZH	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	1180	1099C>T	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	99	37A>G	T13A
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	104	42G>T	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	348	236C>A	L96I
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	361	299G>A	R100K
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	452	390G>A	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	459	397T>G	S133A
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	463	401A>G	K134R
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	471	409C>A	P137T
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	500	438C>T	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	508	446G>A	S149N
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	523	461G>C	G154A
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	547	485G>T	R162L

X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	551	489C>T	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	552	490G>A	G164S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	567	505G>A	A169T
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	573	511G>A	V171M
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	584	522A>G	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	593	531C>T	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	596	534G>C	Q178H
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	605	543T>C	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	632	570G>A	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	647	585G>A	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	686	624T>C	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	691	629C>T	T210M
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	692	630G>A	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	716	654A>T	R218S

X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	721	659G>A	R220Q
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	756	694G>A	V232I
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	767	705C>T	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	800	738G>A	S
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	814	752G>A	R251K
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	847	785C>G	T262R
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	865	803A>G	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	868	806C>A	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	893	831C>T	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	899	837T>C	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	903	841A>G	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	913	851A>G	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	988	926G>A	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D	1004	942G>A	3

X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	1027	965C>T	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	1105	1043G>C	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	1128	1066C>T	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	1139	1077C>T	3
X03069	X03069	142857	GEN-PI	Human mRNA for HLA-D class II antigen DR1 beta chain	1140	1078G>C	3
X03438	X03438	138970	GEN-PM	Human mRNA for granulocyte colony-stimulating factor (G-CSF)	586	555G>A	5
X03438	X03438	138970	GEN-PM	Human mRNA for granulocyte colony-stimulating factor (G-CSF)	1235	1204C>T	3
X03663	X03663	164770	GEN-51	Colony stimulating factor 1 receptor	3732	3432T>C	3
X03663	X03663	164770	GEN-51	Colony stimulating factor 1 receptor	3951	3651C>A	3
X03674	X03674	305900	GEN-9K	Glucose-6-phosphate dehydrogenase	503	33C>G	H11Q
X03674	X03674	305900	GEN-9K	Glucose-6-phosphate dehydrogenase	589	119C>T	S40L
X03674	X03674	305900	GEN-9K	Glucose-6-phosphate dehydrogenase	672	202G>A	V68M
X03674	X03674	305900	GEN-9K	Glucose-6-phosphate dehydrogenase	846	376A>G	N126D
X03674	X03674	305900	GEN-9K	Glucose-6-phosphate dehydrogenase	2215	1745T>C	3
X03674	X03674	305900	GEN-9K	Glucose-6-phosphate dehydrogenase	2242	1772T>C	3
X03674	X03674	305900	GEN-9K	Glucose-6-phosphate dehydrogenase	2341	1871G>A	3

X03884	X03884	186830	GEN-52	CD3E antigen, epsilon polypeptide (T1T3 complex)	108	54C>T	S
X03884	X03884	186830	GEN-52	CD3E antigen, epsilon polypeptide (T1T3 complex)	1258	1204T>A	3
X04391	X04391	None	GEN-14D	Human mRNA for lymphocyte glycoprotein T1/Leu-1	2084	2012G>A	3
CD1A	X04450	188370	GEN-14J	Human CD1 mRNA fragment for HTA1 thymocyte antigen (3' terminal fragment)	402	402T>C	S
X04476	X04476	153390	GEN-14K	Human mRNA fragment for p56(LSTRA) protein-tyrosine kinase	601	601G>A	3
X04571	X04571	131530	GEN-KY0	Human mRNA for kidney epidermal growth factor (EGF) precursor	4507	4071G>A	3
X04608	X04608	104770	GEN-PQ	Human mRNA for serum amyloid P component (SAP)	698	602T>C	I201T
X06180	X06180	186820	GEN-19A	Human mRNA for CD7 antigen (gp40)	1121	1122C>T	3
ITGAE	X06256	135620	GEN-19B	Human mRNA for fibronectin receptor alpha subunit	2562	2539C>A	L847I
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	83	(-54)G>C	5
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	940	804G>A	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	1327	1191T>C	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	1906	1770C>T	S
TCRD	X06557	186810	GEN-19M	Human mRNA for TCR-delta chain	1032	1014C>A	3
X07523	X07523	134371	GEN-1E5	Human mRNA for truncated form of complement factor H	1170	1097G>A	G366E
X07523	X07523	134371	GEN-1E5	Human mRNA for truncated form of complement factor H	1277	1204T>C	Y402H
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	44	40C>G	P14A

SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	51	47T>C	V16A
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	198	194C>A	T65N
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	249	245T>C	I82T
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	1189	1086A>C	S
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	1279	1176A>C	S
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	2713	2610T>C	3
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	2878	2775T>A	3
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	3339	3236A>G	3
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	3531	3428G>A	3
ANX5	X12454	131230	GEN-1M2	Human mRNA for vascular anticoagulant	128	(-1)C>T	5
ANX5	X12454	131230	GEN-1M2	Human mRNA for vascular anticoagulant	1413	1285T>G	3
ANX5	X12454	131230	GEN-1M2	Human mRNA for vascular anticoagulant	1431	1303C>T	3
ANX5	X12454	131230	GEN-1M2	Human mRNA for vascular anticoagulant	1518	1390G>A	3
X12530	X12530	112210	GEN-1MH	Human mRNA for B lymphocyte antigen CD20 (B1, Bp35)	131	38C>T	P13L
X12530	X12530	112210	GEN-1MH	Human mRNA for B lymphocyte antigen CD20 (B1, Bp35)	1318	1225G>A	3

X13403	X13403	164175	GEN-L8	POU domain, class 2, transcription factor 1	1298	1239T>C	S
X13403	X13403	164175	GEN-L8	POU domain, class 2, transcription factor 1	1476	1417G>A	A473T
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.2.1)	54	18G>T	S
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.2.1)	441	405T>C	S
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.2.1)	469	433G>C	E145Q
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.2.1)	592	556A>G	K186E
LIF	X13967	159540	GEN-1P2	Human mRNA for leukaemia inhibitory factor (LIF/HILDA)	3710	3666T>G	3
X14356	X14356	146760	GEN-1R0	Human mRNA for high affinity Fc receptor (Fc _{RI})	195	159T>C	S
X14356	X14356	146760	GEN-1R0	Human mRNA for high affinity Fc receptor (Fc _{RI})	1006	970G>A	D324N
X14356	X14356	146760	GEN-1R0	Human mRNA for high affinity Fc receptor (Fc _{RI})	1161	1125G>A	S
X14356	X14356	146760	GEN-1R0	Human mRNA for high affinity Fc receptor (Fc _{RI})	1164	1128G>A	3
X14356	X14356	146760	GEN-1R0	Human mRNA for high affinity Fc receptor (Fc _{RI})	1174	1138G>T	3
X14356	X14356	146760	GEN-1R0	Human mRNA for high affinity Fc receptor (Fc _{RI})	1203	1167C>T	3
X14356	X14356	146760	GEN-1R0	Human mRNA for high affinity Fc receptor (Fc _{RI})	1217	1181G>A	3
X14356	X14356	146760	GEN-1R0	Human mRNA for high affinity Fc receptor (Fc _{RI})	1279	1243G>A	3
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	131	107A>G	K36R
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	132	108G>A	S
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	164	140A>C	N47T
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	255	231G>T	S
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	381	357A>G	S

X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	400	376C>G	L126V
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	412	388G>A	G130S
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	450	426G>A	S
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	522	498C>T	S
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	540	516G>C	K172N
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	553	529C>A	P177T
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	594	570A>G	S
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	624	600T>C	S
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	639	615T>C	S
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	659	635G>A	R212K
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	738	714A>C	3
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	740	716A>T	3
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	752	728C>A	3
X14583	X14583	None	GEN-1RJ	Human mRNA for Ig lambda-chain	858	834C>G	3
CHRN B1	X14830	100710	GEN-4EK	Nicotinic, Cholinergic receptor beta 1	1375	1359C>T	S
CHRN B1	X14830	100710	GEN-4EQ	Nicotinic, Cholinergic receptor beta 1	1591	1575T>C	3
X15263	X15263	None	GEN-4EQ	Muscarinic receptor, CHR M1	1144	104G>A	S
X15606	X15606	146630	GEN-20	Intercellular adhesion molecule 2	884	822G>A	S
IRF2	X15949	147576	GEN-1UO	Human mRNA for interferon regulatory factor-2 (IRF-2)	842	744G>A	S
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	41	(-12)T>G	5

X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	86	34A>G	M12V
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	111	59C>T	P20L
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	115	63G>A	S
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	162	110C>T	S37F
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	260	208A>G	S70G
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	274	222T>C	S
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	280	228T>C	S
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	289	237A>G	S
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	375	323C>T	3
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	393	341A>C	3
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	395	343A>G	3
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	437	385C>T	3
X16166	X16166	182284	GEN-QT	Human mRNA for putative cytokine 21 (HC21)	549	497G>C	3
CSNK2B	X16312	115441	GEN-1XW	Human mRNA for phosphotitin/casein kinase II beta subunit	271	138T>C	S
CSNK2B	X16312	115441	GEN-1XW	Human mRNA for phosphotitin/casein kinase II beta subunit	812	679A>T	3
CSNK2B	X16312	115441	GEN-1XW	Human mRNA for phosphotitin/casein kinase II beta subunit	885	752T>C	3
X16863	X16863	146740	GEN-1YY	Human Fc-gamma RII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	141	108C>G	S36R
X16863	X16863	146740	GEN-1YY	Human Fc-gamma RII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	147	114T>C	S

X16863	X16863	146740	GEN-1YV	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	277	244A>G	N82D
X16863	X16863	146740	GEN-1YV	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	473	440A>G	D147G
X16863	X16863	146740	GEN-1YV	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	505	472C>T	H158Y
X16863	X16863	146740	GEN-1YV	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	531	498T>C	S
X16863	X16863	146740	GEN-1YV	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	559	526G>T	V176F
X16863	X16863	146740	GEN-1YV	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	733	700T>C	F
X16863	X16863	146740	GEN-1YV	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	766	733C>T	3
X16863	X16863	146740	GEN-1YV	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	829	796G>A	3
MIC2	X16996	313470	GEN-1ZE	Human mRNA for T-cell surface glycoprotein E2	210	87T>C	S
MIC2	X16996	313470	GEN-1ZE	Human mRNA for T-cell surface glycoprotein E2	283	160G>A	D54N
MIC2	X16996	313470	GEN-1ZE	Human mRNA for T-cell surface glycoprotein E2	486	363C>T	S
MIC2	X16996	313470	GEN-1ZE	Human mRNA for T-cell surface glycoprotein E2	1068	945C>T	3
X17033	X17033	192974	GEN-LG	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	4193	4145T>G	3
X17033	X17033	192974	GEN-LG	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	4849	4801A>G	3
X17033	X17033	192974	GEN-LG	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	4897	4849A>G	3

X17042	X17042	177040	GEN-1ZN	Human mRNA for hematopoietic proteoglycan core protein	324	300C>T	S
X17042	X17042	177040	GEN-1ZN	Human mRNA for hematopoietic proteoglycan core protein	1021	997G>T	3
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	849	777T>C	S
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	1102	1030A>G	S344G
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	1107	1035G>A	S
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	1175	1103T>G	V368G
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	1212	1140C>T	S
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	1561	1489C>G	R497G
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	1692	1620G>T	Q540H
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	1816	1744G>C	V582L
IGHM	X17115	147020	GEN-1ZX	Human mRNA for IgM heavy chain complete sequence	2006	1934T>A	3
HLA-G	X17273	142871	GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	20	15G>A	S
HLA-G	X17273	142871	GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	41	36G>A	S

HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	248	243G>A	S
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	356	351C>T	S
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	812	807A>C	S
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	839	834G>A	S
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	947	942C>T	S
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	1004	999A>G	S
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	1123	1118G>C	3
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	1140	1135C>A	3
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	1148	1143C>T	3
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	1254	1249T>G	3
HLA-G	X17273 142871 GEN-205	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen	1255	1250C>G	3

mRNA for non classical class I transplantation antigen									
X51362	X51362	1264500	GEN-31W	Dopamine Receptor D2	588	423G>A	S		
X51362	X51362	1264500	GEN-31W	Dopamine Receptor D2	1104	939C>T	S		
X51362	X51362	1264500	GEN-31W	Dopamine Receptor D2	1122	957T>C	S		
X51362	X51362	1264500	GEN-31W	Dopamine Receptor D2	1248	1083A>G	S		
X51362	X51362	1264500	GEN-31W	Dopamine Receptor D2	1488	1323T>C	S		
X51362	X51362	1264500	GEN-31W	Dopamine Receptor D2	1548	1383A>G	3		
X51362	X51362	1264500	GEN-31W	Dopamine Receptor D2	2361	2196C>T	3		
EDN3	X52001	131242	GEN-33E	Endothelin 3	1262	1152G>A	3		
EDN3	X52001	131242	GEN-33E	Endothelin 3	1649	1539C>G	3		
EDN3	X52001	131242	GEN-33E	Endothelin 3	1700	1590C>T	3		
EDN3	X52001	131242	GEN-33E	Endothelin 3	1742	1632C>T	3		
EDN3	X52001	131242	GEN-33E	Endothelin 3	1797	1687C>T	3		
EDN3	X52001	131242	GEN-33E	Endothelin 3	1914	1804G>C	3		
EDN3	X52001	131242	GEN-33E	Endothelin 3	2040	1930C>T	3		
X52079	X52079	602272	GEN-33B	H.sapiens transcription factor (ITF-2) mRNA, 3 end	979	979T>G	S327A		
X52079	X52079	602272	GEN-33B	H.sapiens transcription factor (ITF-2) mRNA, 3 end	1794	1794G>A	S		
X52425	X52425	147781	GEN-59	Interleukin 4 receptor	3044	2869G>A	3		
X52425	X52425	147781	GEN-59	Interleukin 4 receptor	3289	3114A>G	3		
X52425	X52425	147781	GEN-59	Interleukin 4 receptor	3391	3216C>T	3		
X52479	X52479	176960	GEN-LM	Protein kinase C, alpha	908	881A>C	D294A		
CD22	X52785	107286	GEN-33Z	H.sapiens CD22 mRNA	1357	1323C>T	S		

CD22	X52785	107266	GEN-332	H.sapiens CD22 mRNA	1531	1497C>T	S
CHRNA3	X53559	118503	GEN-341	Nicotinic, Cholinergic receptor alpha 3	212	212A>G	D71G
CHRNA3	X53559	118503	GEN-341	Nicotinic, Cholinergic receptor alpha 3	552	552C>T	S
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	510	354C>T	S
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1196	1040G>T	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1309	1153G>A	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1325	1169G>A	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1335	1179G>A	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1362	1206C>T	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1367	1211C>T	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1368	1212G>A	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1370	1214G>A	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1371	1215T>C	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1378	1222C>T	3
KAI1	X53795	600623	GEN-34P	Human R2 mRNA for an inducible membrane protein	1382	1226G>A	3

KAI1	X53795	6006233	GEN-34P	Human R2 mRNA for an inducible membrane protein	1392	1236C>T	3
KAI1	X53795	6006233	GEN-34P	Human R2 mRNA for an inducible membrane protein	1423	1267C>T	3
X54101	X54101	None	GEN-34W	Human NKG5 mRNA, expressed in natural killer cells and T-cells	484	356C>T	T119I
X54101	X54101	None	GEN-34W	Human NKG5 mRNA, expressed in natural killer cells and T-cells	625	497C>G	3
X54101	X54101	None	GEN-34W	Human NKG5 mRNA, expressed in natural killer cells and T-cells	717	589C>G	3
FCAR	X54150	147045	GEN-34T	Human mRNA for Fc receptor	363	324A>G	S
X54199	X54199	138440	GEN-LS	Phosphoribosylglyciamide formyltransferase, phosphoribosylglyciamide synthetase, phosphoribosylaminomimidazole synthetase	168	90G>A	S
X54315	X54315	114020	GEN-351	Human mRNA for N-cadherin	2549	2448T>C	S
X54867	X54867	161555	GEN-M1V	Human mRNA for NKG2-A gene	1188	1024G>C	3
X54867	X54867	161555	GEN-M1V	Human mRNA for NKG2-A gene	1214	1050T>A	3
X54867	X54867	161555	GEN-M1V	Human mRNA for NKG2-A gene	1232	1068A>T	3
X54867	X54867	161555	GEN-M1V	Human mRNA for NKG2-A gene	1269	1105G>A	3
X54867	X54867	161555	GEN-M1V	Human mRNA for NKG2-A gene	1353	1189C>T	3
X55415	X55415	137060	GEN-364	Human mRNA for UDP-galactose:N-acetylglucosaminide-(beta 1->4) galactosyltransferase	28	(-12)G>C	5

X55415	X55415	137060	GEN-364	Human mRNA for UDP-galactose:N-acetylglucosaminide-(beta 1->4) galactosyltransferase	30	(-10)C>G	5
X55415	X55415	137060	GEN-364	Human mRNA for UDP-galactose:N-acetylglucosaminide-(beta 1->4) galactosyltransferase	531	492G>A	S
X55415	X55415	137060	GEN-364	Human mRNA for UDP-galactose:N-acetylglucosaminide-(beta 1->4) galactosyltransferase	770	731A>G	H244R
X55415	X55415	137060	GEN-364	Human mRNA for UDP-galactose:N-acetylglucosaminide-(beta 1->4) galactosyltransferase	1041	1002G>A	S
X55740	X55740	129190	GEN-36H	Human placental cDNA coding for 5nucleotidase (EC 3.1.3.5)	3373	3324T>G	3
CRP	X56692	123260	GEN-373	H.sapiens mRNA for C-reactive protein	330	241A>G	I81V
CRP	X56692	123260	GEN-373	H.sapiens mRNA for C-reactive protein	636	547G>A	V183M
CRP	X56692	123260	GEN-373	H.sapiens mRNA for C-reactive protein	1020	931G>A	3
YWHAB	X57346	601289	GEN-37R	H.sapiens mRNA for HS1 protein	432	60C>A	S
YWHAB	X57346	601289	GEN-37R	H.sapiens mRNA for HS1 protein	1135	763T>C	3
X57348	X57348	601290	GEN-37S	H.sapiens mRNA (clone 9112)	1317	1152C>T	3
X57348	X57348	601290	GEN-37S	H.sapiens mRNA (clone 9112)	1342	1177C>T	3
X57522	X57522	170260	GEN-37W	H.sapiens RING4 cDNA	1207	1177A>G	I393V
X57522	X57522	170260	GEN-37W	H.sapiens RING4 cDNA	2120	2090A>G	D697G

X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	499	499T>C	C167R
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	524	524G>A	F
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	545	545G>A	S182N
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	558	558A>C	Q186H
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	571	571G>A	E191K
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	616	616C>T	F
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	639	639G>A	S
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	695	695A>G	Y232C
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	714	714C>T	3
X57819	X57819	None	GEN-389	Human rearranged immunoglobulin lambda light chain mRNA	724	724C>T	3
X57830	X57830	182135	GEN-7V	Serotonin 5-HT2 receptor	247	102T>C	S
X58377	X58377	147681	GEN-38V	Interleukin 11	807	744A>G	3
X58377	X58377	147681	GEN-38V	Interleukin 11	927	864T>G	3
X58377	X58377	147681	GEN-38V	Interleukin 11	1964	1901T>C	3
BTK	X58957	300300	GEN-39A	H.sapiens alk mRNA for agammaglobulinaemia tyrosine kinase	2228	2096A>C	3
BTK	X58957	300300	GEN-	H.sapiens alk mRNA for	2304	2172A>G	3

DRD1	X58987	126449	39A	agammaglobulinaemia tyrosine kinase	229	(-48)A>G	5
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	366	90G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	366	90G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	474	198G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	1539	1263G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	2040	1764A>C	3
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	2045	1769C>A	3
ITGA6	X59512	147556	GEN-39W	H.sapiens mRNA for integrin alpha6 subunit	186	186C>G	S
ITGA6	X59512	147556	GEN-39W	H.sapiens mRNA for integrin alpha6 subunit	188	188G>C	G63A
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	102	(-257)G>A	5
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	336	(-23)C>T	5
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1173	815C>T	A272V
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1173	815C>T	A272V
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1399	1041C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1409	1051G>T	A351S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1482	1124C>T	T375M
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1591	1233G>A	S

X60069	X60069	231950	GEN-3AJ	glutamyltransferase Human mRNA for pancreatic gamma- glutamyltransferase	1624	1266C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	1637	1279C>A	F427T
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	1651	1293C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	1662	1304T>C	V435A
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	1783	1425A>G	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	1794	1436C>T	T479M
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	1795	1437G>A	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	1981	1623C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	2007	1649C>T	T550M
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	2031	1673C>T	S558L
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	2047	1689C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	2147	1789C>T	3
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma- glutamyltransferase	2176	1818C>T	3
X60069	X60069	231950	GEN-	Human mRNA for pancreatic gamma- glutamyltransferase	2224	1866C>A	3

			3AJ	pancreatic gamma-glutamyltransferase		
X60992	X60992	186720	GEN-3B1	H.sapiens CD6 mRNA for T cell glycoprotein CD6	2556	2436T>C 3
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	203	96A>C S
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1372	1265A>G H422R
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1501	1394G>A R465K
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1766	1659C>T S
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1823	1716T>C S
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	2976	2869G>A 3
NFKB2	X61498	164012	GEN-3BW	H.sapiens mRNA for NF- kB subunit	2457	2294C>T P765L
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2308	2308A>G T770A
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2353	2353G>C G785R
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2499	2499G>G N833K
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2537	2537A>T E846V
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	4123	4123G>C 3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	967	968T>C 3

X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	1240	1241A>G	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	1300	1301C>T	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	1542	1543G>C	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	1560	1561C>A	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	1709	1710T>G	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	1931	1932A>T	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	2032	2033G>A	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	2136	2137G>A	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	2176	2177C>T	3
X62572	X62572	146790	GEN-3CL	H.sapiens RNA for Fc receptor, PC23	2201	2202G>A	3
X62744	X62744	142855	GEN-3CQ	Human RING6 mRNA for HLA class II alpha chain-like product	541	496G>A	V1661
X62744	X62744	142855	GEN-3CQ	Human RING6 mRNA for HLA class II alpha chain-like product	674	629G>A	R210H
X62744	X62744	142855	GEN-3CQ	Human RING6 mRNA for HLA class II alpha chain-like product	750	705G>C	S
X62744	X62744	142855	GEN-3CQ	Human RING6 mRNA for HLA class II alpha chain-like product	1081	1036A>T	3
X63053	X63053	602492	GEN-3D4	H.sapiens PTX3 mRNA	1689	1684G>A	3
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	421	411G>C	K137N
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	496	486G>A	S
TCRB	X63456	186930	GEN-516	H.sapiens mRNA for T-cell	516	506T>A	F169Y

TCRB	X63456	186930	3DG	antigen receptor beta-chain	520	510C>T	S
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	580	570A>G	S
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	754	744C>T	S
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	805	795T>C	S
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	811	801G>C	S
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	813	803T>A	V268E
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	817	807C>T	S
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	860	850C>T	S
TCRB	X63456	186930	GEN-3DG	H.sapiens mRNA for T-cell antigen receptor beta-chain	878	868C>A	L290M
X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	51	44G>A	R15H
X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	116	109A>C	K37Q
X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	261	254G>A	G85E
X66403	X66403	100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2236	2225G>T	3

X66403	X66403	100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2333	2322A>G	3
X66403	X66403	100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2364	2353G>T	3
CD44	X66733	107269	GEN-3H2	H.sapiens mRNA for epsilon can	384	255C>T	S
CD44	X66733	107269	GEN-3H2	H.sapiens mRNA for epsilon can	455	326C>A	S109Y
X67325	X67325	600009	GEN-25	Interferon alpha inducible protein 27	311	257G>A	S86N
X67325	X67325	600009	GEN-25	Interferon alpha inducible protein 27	320	266G>C	G89A
X67325	X67325	600009	GEN-25	Interferon alpha inducible protein 27	485	431C>G	3
X67699	X67699	114280	GEN-3HP	H.sapiens HE5 mRNA for CDw52 antigen	143	119G>A	S40N
X67699	X67699	114280	GEN-3HP	H.sapiens HE5 mRNA for CDw52 antigen	147	123G>A	M41I
X68596	X68596	168468	GEN-3IU	H.sapiens mRNA for parathyroid hormone receptor	1563	1389T>C	S
X69117	X69117	109636	GEN-5G	BETA-ADRENERGIC RECEPTOR KINASE 2	1182	1182T>C	S
X69117	X69117	109636	GEN-5G	BETA-ADRENERGIC RECEPTOR KINASE 2	1609	1609G>A	E537K
X69819	X69819	146631	GEN-28	Intercellular adhesion molecule 3	195	187A>G	I63V
X69819	X69819	146631	GEN-28	Intercellular adhesion molecule 3	317	309C>T	S
X69819	X69819	146631	GEN-28	Intercellular adhesion molecule 3	436	428G>A	G143D
X69819	X69819	146631	GEN-28	Intercellular adhesion molecule 3	1172	1164G>A	S
X69819	X69819	146631	GEN-28	Intercellular adhesion molecule 3	1219	1211G>A	R404Q
X70340	X70340	190170	GEN-S3	H.sapiens mRNA for transforming growth factor alpha	3756	3725C>G	3
X70811	X70811	109691	GEN-	beta-3-adrenergic receptor	315	190T>C	W64R

NOS2A	X73029	163730	GEN-3LK	H.sapiens mRNA for nitric oxide synthase	1165	844C>G	T295R
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1380	1155C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1503	1278C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2048	1823C>T	S608L
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2287	2062G>A	G688S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2339	2114A>G	D705G
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2583	2358T>C	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2982	2757A>G	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3022	2797C>G	R933G
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3051	2826C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3693	3468T>C	3
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3715	3490G>A	3
RGS1	X73427	600323	GEN-3M6	H.sapiens 1r20 mRNA for alpha helical basic phosphoprotein	247	233C>T	A78V
MHC2TA	X74301	600005	GEN-3N5	H.sapiens mRNA for MHC class II transactivator	1614	1499C>G	A500G
MHC2TA	X74301	600005	GEN-3N5	H.sapiens mRNA for MHC class II transactivator	3759	3644G>A	3
MHC2TA	X74301	600005	GEN-3N5	H.sapiens mRNA for MHC class II transactivator	4422	4307T>C	3
X75913	X75913	601269	GEN-3OG	H.sapiens mRNA for gC1q-R	1052	974A>G	3
X75913	X75913	601269	GEN-3OG	H.sapiens mRNA for gC1q-R	1074	996T>C	3
X75962	X75962	600315	GEN-3OG	H.sapiens mRNA for OX40	836	831C>T	S

LIPA	X76488	278000	MNA	homologue H.sapiens mRNA for lysosomal acid lipase	191	46A>C	T16P
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	212	67G>A	G23R
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	967	822G>A	M274I
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	1531	1386C>T	3
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	2254	2109A>T	3
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	2439	2294C>T	3
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	528	351G>A	S
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	569	392A>G	Y131C
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	687	510C>T	S
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	1303	1126C>G	3
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	1601	1424T>G	3
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	1816	1639G>T	3
X77722	X77722	602376	GEN-29	Interferon (alpha,beta, omega) receptor 2 (splice variant)	253	28G>T	V10F
X77722	X77722	602376	GEN-29	Interferon (alpha,beta, omega) receptor 2 (splice variant)	1128	903A>G	S
ID1	X77956	600349	GEN-3QL	H.sapiens Id1 mRNA	380	345G>A	S
ID1	X77956	600349	GEN-3QL	H.sapiens Id1 mRNA	382	347C>A	T116N
ID1	X77956	600349	GEN-3QL	H.sapiens Id1 mRNA	842	807A>C	3
ID1	X77956	600349	GEN-3QL	H.sapiens Id1 mRNA	851	816G>A	3
YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta subtype mRNA	953	753A>G	3

YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta subtype mRNA	960	760G>A	3
YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta subtype mRNA	1387	1187C>T	3
X78282	X78282	601292	GEN-3QU	H.sapiens mRNA for aryl sulfotransferase (ST1A2) LVF	895	895T>C	3
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	1922	1922G>A	3
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	2378	2378G>A	3
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	2382	2382G>A	3
X79483	X79483	602399	GEN-1	H.sapiens ERK6 mRNA for LPR regulated kinase	1287	1254T>G	3
X80200	X80200	None	GEN-3UL	H.sapiens MLN62 mRNA	1581	1496C>A	3
X80200	X80200	None	GEN-3UL	H.sapiens MLN62 mRNA	1684	1599G>A	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	528	529C>T	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	534	535C>T	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	594	595T>C	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	601	602A>C	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	668	669A>T	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	726	727T>C	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	796	797G>A	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	804	805G>A	3
IGHG3	X81695	147120	GEN-1	H.sapiens rearranged IgG	827	828A>T	3

IGHG3	X81695	147120	3W4	VH-D-JH-Hinge-CH2-CH3 region	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	828	829C>T	3
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	842	843C>T	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	849	850G>T	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	853	854A>C	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	900	901T>C	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	905	906G>A	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	916	917G>A	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	957	958G>C	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	963	964G>A	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	970	971G>A	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	973	974C>G	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	999	1000C>T	3		
IGHG3	X81695	147120	GEN- 3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1002	1003T>C	3		

IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1012	1013A>C	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1045	1046G>A	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1050	1051C>T	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1073	1074C>G	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1075	1076C>T	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1088	1089A>T	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1092	1093G>A	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1113	1114C>T	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1130	1131G>C	3
IGHG3	X81695	147120	GEN-3W4	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	1137	1138G>A	3
X82321	X82321	None	GEN-3WT	H.sapiens mRNA for thiol-specific antioxidant	304	304G>A	G102R
X82321	X82321	None	GEN-3WT	H.sapiens mRNA for thiol-specific antioxidant	422	422G>T	W141L
X82321	X82321	None	GEN-3WT	H.sapiens mRNA for thiol-specific antioxidant	640	640C>G	3
X82321	X82321	None	GEN-3WT	H.sapiens mRNA for thiol-specific antioxidant	655	655C>T	3
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw ⁰⁷⁰⁴	43	22G>A	A8T
HLA-C	X83394	142840	GEN-49	H.sapiens mRNA for HLA-L10I	49	28C>A	

HLA-C	X83394	142840	3XX	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	68	47G>C	G16A
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	80	59C>T	T20I	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	94	73T>G	C25G	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	118	97G>T	D33Y	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	126	105C>T	S	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	155	134G>A	R45H	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	163	142T>G	S48A	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	222	201G>A	S	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	234	213C>G	S	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	239	218C>A	A73E	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	291	270G>C	K90N	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	310	289G>A	A97T	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	323	302G>A	S101N	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	333	312C>A	N104K	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	362	341A>C	D114A	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	374	353C>T	T118I	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	382	361A>T	R121W	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	408	387C>G	S	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	430	409T>C	Y137H	
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw*0704	433	412G>A	D138N	

HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	441	420C>A	F140L
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	474	453C>T	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	480	459C>T	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	495	474C>T	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	507	486C>G	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	520	499A>T	T167S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	533	512T>G	L171W
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	548	527C>A	A176E
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	622	601A>G	K201E
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	626	605C>A	T202K
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	639	618G>A	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	644	623C>A	P208H
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	669	648C>T	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	673	652C>G	L218V
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	724	703G>A	A235T
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	748	727C>T	R243W
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	756	735G>C	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	765	744G>A	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	768	747C>T	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	777	756C>T	S
HLA-C	X83394	142840	GEN- 3XX	H.sapiens mRNA for HLA- Cw'0704	835	814G>A	V272M

HLA-C	X83394	142840	3XX	H.sapiens mRNA for HLA-Cw*0704	850	829C>G	Q277E
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	874	853A>G	M285V
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	893	872A>C	Q291P
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	912	891C>A	S297R
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	933	912C>T	S
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	946	925A>G	M309V
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	977	956T>C	V319A
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	1012	991A>G	M331V
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	1070	1049G>C	C350S
HLA-C	X83394	142840	GEN-3XX	H.sapiens mRNA for HLA-Cw*0704	1108	1087A>G	T363A
X83861	X83861	176806	GEN-5H	Prostaglandin E receptor 3 (subtype EP3) (alternative products)	387	180C>G	S
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	32	(-161)C>T	5
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	317	125G>A	R42H
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	435	243C>T	S
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	616	424G>A	V142I
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	663	471C>T	S
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	900	708T>C	3
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	974	782C>T	3
CD97	X84700	601211	GEN-3ZO	H.sapiens mRNA for leucocyte antigen CD97	828	758C>G	P253R
X86474	X86474	600250	GEN-	H.sapiens mRNA for ATAC	249	225A>G	S

X86474	X86474	600250	40W	H.sapiens mRNA for ATAC protein	357	333T>C	S
X86474	X86474	600250	40W	H.sapiens mRNA for ATAC protein	423	399G>C	3
X86474	X86474	600250	40W	H.sapiens mRNA for ATAC protein	446	422G>A	3
X86681	X86681	602110	GEN-41E	H.sapiens mRNA for nucleolar protein, HNP36 P2 purinoreceptor (P2Y6)	1725	1340G>A	3
X97058	X97058	602451	4BB	H.sapiens mRNA for prepronociceptin	121	(-156)T>G	5
X97370	X97370	601459	GEN-4BM	H.sapiens mRNA for prepronociceptin	167	144T>C	S
X97370	X97370	601459	GEN-4BM	H.sapiens mRNA for prepronociceptin	637	614C>A	3
X97370	X97370	601459	GEN-4BM	H.sapiens mRNA for prepronociceptin	862	839C>G	3
Y00052	Y00052	123840	GEN-SX	Cyclophilin A	221	207C>G	S
Y00052	Y00052	123840	GEN-SX	Cyclophilin A	268	254A>G	D85G
Y00052	Y00052	123840	GEN-SX	Cyclophilin A	332	318C>T	S
Y00052	Y00052	123840	GEN-SX	Cyclophilin A	627	613C>A	3
PTPRC	Y00062	151460	GEN-SY	Human mRNA for T200 leukocyte common antigen (CD45, LC-A)	3437	3291T>C	S
PTPRC	Y00062	151460	GEN-SY	Human mRNA for T200 leukocyte common antigen (CD45, LC-A)	3441	3295G>A	V1099I
Y00486	Y00486	102600	GEN-MGW	Human APRT gene for adenine phosphoribosyltransferase	503	432C>A	S
Y00486	Y00486	102600	GEN-MGW	Human APRT gene for adenine phosphoribosyltransferase	505	434G>C	R145P
Y00486	Y00486	102600	GEN-MGW	Human APRT gene for adenine phosphoribosyltransferase	792	721A>G	3
Y00749	Y00749	131240	GEN-P7	Endothelin 1	846	594G>T	K198N
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	492	456G>A	S
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell	507	471A>G	S

TCRG	Y00790	186970	GEN-UC	receptor gamma-chain	Human mRNA for T-cell receptor gamma-chain	528	492C>T	S
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	555	519A>T	S	
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	559	523A>G	I175V	
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	636	600C>T	S	
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	676	640G>A	E214K	
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	733	697A>G	I233V	
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	849	813G>T	W271C	
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	908	872C>T	T291M	
TCRG	Y00790	186970	GEN-UC	Human mRNA for T-cell receptor gamma-chain	970	934A>G	R312G	
Y00796	Y00796	153370	GEN-2B	Leukocyte integrin alpha-I	1006	918C>T	S	
Y00796	Y00796	153370	GEN-2B	Leukocyte integrin alpha-I	4519	4431A>G	3	
CR1	Y00816	120620	GEN-UG	Human mRNA for complement receptor type 1 (CR1, C3b/C4b receptor, CD35)	207	180G>C	E60D	
Y07683	Y07683	600843	GEN-4F1	H.sapiens mRNA for P2X3 purinoreceptor	717	552C>T	S	
Y07683	Y07683	600843	GEN-4F1	H.sapiens mRNA for P2X3 purinoreceptor	753	588A>G	S	
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	835	809A>G	H270R	
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	946	920G>A	R307Q	
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1068	1042G>A	A348T	
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1096	1070C>G	T357S	
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1405	1379A>G	Q460R	
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1589	1563C>G	H521Q	

Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1590	1564G>A	V522I
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1628	1602G>T	S
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1759	1733G>A	R578Q
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1772	1746G>A	S
Y10659	Y10659	300119	GEN-116	H.sapiens IL-13Ra mRNA for UDP-Gal:GlcNAc galactosyltransferase	1116	1073G>A	G358D
Y12509	Y12509	None	GEN-1ME	Homo sapiens mRNA for UDP-Gal:GlcNAc galactosyltransferase	257	257G>A	G86D
Y12510	Y12510	None	GEN-1MC	Homo sapiens mRNA for UDP-Gal:GlcNAc b1,4 galactosyltransferase	909	909C>T	S
Z11695	Z11695	176948	GEN-1L1	H.sapiens 40 kDa protein kinase related to rat ERK2	1287	1153G>A	3
Z11696	Z11696	601795	GEN-1L0	H.sapiens 44kDa protein kinase related to rat ERK1	449	449T>G	I150S
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	246	240T>C	S
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	1694	1688A>C	D563A
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	2033	2027G>A	3
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	2086	2080T>G	3
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	25	25G>C	V9L
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	103	103G>T	A35S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	106	106A>G	M36V
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	165	165C>G	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	209	209A>C	E70A
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	213	213C>G	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	222	222A>G	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	259	259A>G	N87D
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	261	261C>G	N87K
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	353	353T>C	I118T
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	355	355A>C	I119L
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	362	362G>C	R121T

Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	379	379C>G	L127V
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	387	387C>G	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	409	409C>T	H137Y
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	412	412G>A	D138N
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	435	435G>A	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	463	463A>C	S155R
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	477	477G>C	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	486	486C>G	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	527	527T>A	V176E
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	538	538C>T	R180W
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	539	539G>T	R180L
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	544	544G>A	A182T
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	572	572G>C	W191S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	583	583T>C	Y195H
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	603	603G>C	E201D
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	610	610C>G	Q204E
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	621	621C>A	D207E
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	623	623C>A	P208H
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	636	636C>T	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	648	648C>T	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	652	652G>A	V218I
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	668	668C>T	A223V
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	693	693C>T	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	756	756T>C	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	774	774A>G	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	786	786T>C	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	846	846A>G	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	900	900A>G	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	909	909G>A	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	916	916A>G	I306V
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	985	985A>G	T329A
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	1008	1008C>T	S
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	1046	1046C>G	S349C
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	1120	1120T>C	3
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	1164	1164G>A	3
Z222651	Z222651	None	GEN-268	H.sapiens HLA-B35 mRNA	1192	1192C>T	3

Z22651	Z22651	None	GEN-268	H.sapiens HLA-B35 mRNA	1209	1209C>T	3
Z22651	Z22651	None	GEN-268	H.sapiens HLA-B35 mRNA	1219	1219C>A	3
Z22651	Z22651	None	GEN-268	H.sapiens HLA-B35 mRNA			
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	1163	1135G>A	V379I
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	1186	1158G>T	S
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	1840	1812G>A	S
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	2021	1993G>A	A665T
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	2087	2059C>T	F
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	2119	2091T>G	S
HLA-DMB	Z23139	142856	GEN-277	H.sapiens RING7 mRNA for HLA class II alpha chain-like product	380	212G>A	S71N
HLA-DMB	Z23139	142856	GEN-277	H.sapiens RING7 mRNA for HLA class II alpha chain-like product	1125	957C>T	3
Z26649	Z26649	600230	GEN-2B5	Phospholipase C beta-3	437	438C>T	3
Z26649	Z26649	600230	GEN-2B5	Phospholipase C beta-3	466	467G>A	3
Z26649	Z26649	600230	GEN-2B5	Phospholipase C beta-3	2664	2665C>T	3
Z26649	Z26649	600230	GEN-2B5	Phospholipase C beta-3	3168	3169G>T	3
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1141	1104C>T	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1627	1590T>C	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1696	1659G>A	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1946	1909G>A	V637M
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	2433	2386G>A	3
Z35491	Z35491	601497	GEN-2ME	H.sapiens mRNA for novel glucocorticoid receptor-	315	37G>A	E13K

Z35491	Z35491	601497	GEN-2ME	H.sapiens mRNA for novel glucocorticoid receptor-associated protein	333	55G>A	E19K
Z35491	Z35491	601497	GEN-2ME	H.sapiens mRNA for novel glucocorticoid receptor-associated protein	1297	1019A>C	3
PDE4C	Z46632	600128	GEN-2X2	H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP phosphodiesterase	280	169C>T	R57C
PDE4C	Z46632	600128	GEN-2X2	H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP phosphodiesterase	1142	1031G>A	R344Q
Z48810	Z48810	602664	GEN-2YJ	H.sapiens mRNA for TX protease precursor	1280	1239A>C	3
Z56281	Z56281	603734	GEN-36V	H.sapiens mRNA for Interferon regulatory factor 3	883	837G>A	S
Z56281	Z56281	603734	GEN-36V	H.sapiens mRNA for Interferon regulatory factor 3	1114	1068G>A	S
Z56281	Z56281	603734	GEN-36V	H.sapiens mRNA for Interferon regulatory factor 3	1175	1129G>A	E377K
Z56281	Z56281	603734	GEN-36V	H.sapiens mRNA for Interferon regulatory factor 3	1326	1280G>C	S427T
Z56281	Z56281	603734	GEN-36V	H.sapiens mRNA for Interferon regulatory factor 3	1373	1327A>C	3

Table 16.
Identified
Variances
In Genes
for
Pathways
Identified
in
Endocrine
and

0	0	0	1SQ	lectin-like oxidized LDL receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	1073	1012T>C	3
AB01071	AB01071	602601	GEN-1SQ	Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	1801	1740A>G	3
AB01071	AB01071	602601	GEN-1SQ	Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	2199	2138G>A	3
AB01071	AB01071	602601	GEN-1SQ	Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	249	213T>C	S
AB01336	AB01336	None	GEN-L6C	Homo sapiens mRNA for DPM2, complete cds Homo sapiens mRNA for DPM2, complete cds	263	227C>G	T76S
AB01336	AB01336	1	GEN-L6C	Homo sapiens mRNA for DPM2, complete cds Homo sapiens mRNA for DPM2, complete cds	2468	2369G>A	3
AB01678	AB01678	None	GEN-L39	Glutamine:fructose-6-phosphate amidotransferase, complete cds Glutamine:fructose-6-phosphate amidotransferase, complete cds	2549	2450G>A	3
AB01678	AB01678	9	9	Glutamine:fructose-6-phosphate amidotransferase, complete cds Glutamine:fructose-6-phosphate amidotransferase, complete cds	2755	2656G>A	3
ACLY	X64330	108728	GEN-3F0	H.sapiens mRNA for ATP-citrate lyase H.sapiens mRNA for ATP-citrate lyase	3998	3914G>T	3
ACLY	X64330	108728	GEN-3F0	H.sapiens p38beta2 MAP kinase mRNA, complete cds H.sapiens p38beta2 MAP kinase mRNA, complete cds	4229	4145A>C	3
AF001174	AF001174	602898	GEN-18T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	1044	1038T>C	S
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	75	677>C	C23R

Gene ID	Protein ID	Gene Name	Gene Type	Protein Name	Protein Type	Protein Description	Protein Length	Protein Start	Protein End	Protein Score	Protein Status	Protein Status Score
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	116	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	759	751T>G	751A	108C>T	S	
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	759	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	806	798C>T	806	798C>T	S	
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	866	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	2000	1992G>T	2000	1992G>T	S	
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	2158	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	432	384G>A	432	384G>A	S	
AF004709	AF004709	602899	GEN-UX	Homo sapiens stress-activated protein kinase 4 mRNA, complete cds	702	Homo sapiens preprocathepsin P mRNA, partial cds	1018	1018T>C	1018	702C>T	S	
AF009923	AF009923	603169	GEN-KZM	Homo sapiens preprocathepsin P mRNA, partial cds	1129	Homo sapiens preprocathepsin P mRNA, partial cds	537	537T>G	537	291C>T	S	
AF009923	AF009923	603169	GEN-KZM	Homo sapiens preprocathepsin P mRNA, partial cds	314	Homo sapiens preprocathepsin P mRNA, partial cds	431	408T>C	431	483A>G	S	
AF013611	AF013611	602364	GEN-20Z	Homo sapiens lymphopain mRNA, complete cds	506	Homo sapiens preprocathepsin V1A receptor	314	291C>T	314	291C>T	S	
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor	408T>C	Vasopressin V1A receptor	506	483A>G	506	483A>G	S	
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor	506	Vasopressin V1A receptor	314	291C>T	314	291C>T	S	
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor	506	Vasopressin V1A receptor	408T>C	483A>G	408T>C	483A>G	S	

AF053712	AF053712	None	GEN-MM2	Homo sapiens osteoprotegerin ligand mRNA, complete cds	2086	1902T>G	3
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	1695	1647C>T	S
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4037	3989C>T	A1330V
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4683	4635C>A	S
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4802	4754C>T	S1585L
AF0666859	AF0666859	232600	GEN-LKT	Homo sapiens muscle glycogen phosphorylase (PYGM) mRNA, complete cds	53	53G>A	G18D
AF0666859	AF0666859	232600	GEN-LKT	Homo sapiens muscle glycogen phosphorylase (PYGM) mRNA, complete cds	856	856T>C	F286L
AF071748	AF071748	None	GEN-LOZ	Homo sapiens cathepsin F (CATSF) mRNA, complete cds	1716	1716C>T	S
AF071748	AF071748	None	GEN-LOZ	Homo sapiens cathepsin F (CATSF) mRNA, complete cds	1055	983C>T	S
AF071748	AF071748	None	GEN-LOZ	Homo sapiens cathepsin F (CATSF) mRNA, complete cds	1344	1252G>A	3
AF071748	AF071748	None	GEN-LOZ	Homo sapiens cathepsin F (CATSF) mRNA, complete cds	1513	1421T>C	3
AF071748	AF071748	None	GEN-	Homo sapiens cathepsin F	1574	1482C>A	3

AF071748	AF071748	None	LOZ	(CATSF) mRNA, complete cds	1576	1484G>A	3
			GEN-LOZ	Homo sapiens cathepsin F (CATSF) mRNA, complete cds			
AGL	U84007	232400	GEN-327	Human glycogen debranching enzyme isoform 1 (AGL) mRNA, alternatively spliced isoform, complete cds	7309	6909A>G	3
				Human angiotensinogen mRNA, complete CDS			
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	659	620C>T	T207M
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	842	803T>C	M268T
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1155	1116G>A	S
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1476	1437C>A	S
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1821	1782G>A	3
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	2053	2014A>C	3
AJ005162	AJ005162	600067	GEN-KV1	Homo sapiens mRNA for UDP-glucuronosyltransferase	1915	1882A>C	3
APOH	M62839	138700	GEN-3CY	Human apolipoprotein H mRNA, complete cds	500	461G>A	R154H
APOH	M62839	138700	GEN-3CY	Human apolipoprotein H mRNA, complete cds	835	796G>T	V266L
APOH	M62839	138700	GEN-3CY	Human apolipoprotein H mRNA, complete cds	1098	1059T>C	3
ARG1	M14502	207800	GEN-1RE	Human liver arginase mRNA, complete cds	800	744C>T	S
AVPR1B	AF030512	600264	GEN-4FF	Homo sapiens small cell vasopressin subtype 1b receptor mRNA, complete cds	273	150G>A	S
BMP1	M22488	112264	GEN-25X	Human bone morphogenetic protein 1 (BMP-1) mRNA	2224	2195G>A	3
BMP4	M22490	112262	GEN-	Human bone	849	455T>C	V152A

BMP7	X51801	112267	25Y	morphogenetic protein-2B (BMP-2B) mRNA	1752	1630T>C	3
BMP7	X51801	112267	GEN-32H	Human OP-1 mRNA for osteogenic protein	1789	1667G>A	3
CAT	X04076	115500	GEN-32H	Human OP-1 mRNA for osteogenic protein	51	(-20)T>C	5
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	218	148C>T	150F
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	1237	1167T>C	S
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	1325	1255C>T	S
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	2131	2061A>C	3
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	106	71A>T	D24V
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	971	936T>C	S
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	1229	1194G>A	S
CCKBR	L08112	118445	GEN-1FL	Cholecystokinin (CCKb) mRNA, complete cds	456	456G>A	S
CETP	M30185	118470	GEN-2FK	Human cholestryl ester transfer protein mRNA, complete cds	1283	1153G>C	V385L
CETP	M30185	118470	GEN-2FK	Human cholestryl ester transfer protein mRNA, complete cds	1298	1168G>C	A390P
CETP	M30185	118470	GEN-2FK	Human cholestryl ester transfer protein mRNA, complete cds	1394	1264A>G	I422V
CETP	M30185	118470	GEN-2FK	Human cholestryl ester transfer protein mRNA, complete cds	1394	1264A>G	I422V
CETP	M30185	118470	GEN-2FK	Human cholestryl ester transfer protein mRNA, complete cds	1506	1376A>G	D459G

CETP	M30185	118470	GEN-2FK	Human cholesteryl ester transfer protein mRNA, complete cds	1696	1566G>A	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	131	84C>T	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	429	382G>T	V128F
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	836	789C>T	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1234	1187C>T	S396L
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1372	1325A>T	Y442F
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1482	1435C>T	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 alpha-1 and beta-1 chain	1548	1501C>T	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1645	1598A>T	3
COL18A1	L22548	120328	GEN-262	Human collagen type XVIII, alpha 1 (COL18A1) mRNA, partial cds	22	22A>G	18V
COL18A1	L22548	120328	GEN-262	Human collagen type XVIII, alpha 1 (COL18A1) mRNA,	2071	2071A>G	3

COL18A1	L22548	120328	GEN-262	Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	2126	2126A>G	3
COL18A1	L22548	120328	GEN-262	Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	2395	2395A>G	3
COL18A1	L22548	120328	GEN-262	Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	3372	3372A>T	3
COL18A1	L22548	120328	GEN-262	Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	3374	3374A>C	3
CRHBP	X58022	122559	GEN-38K	Human mRNA for corticotropin-releasing factor binding protein (CRF-BP)	987	941T>G	I314S
CTGF	U14750	121009	GEN-1S3	Human connective tissue growth factor mRNA, partial cds	1878	1878A>C	3
CTSG	M16117	116830	GEN-1XI	Human cathepsin G mRNA, complete cds	382	374A>G	N125S
CTS _L	X12451	116880	GEN-1M1	Human mRNA for pro-cathepsin L (major excreted protein MEP)	1300	1012C>T	3
CYP11B2	D13752	124080	GEN-CCD	Human CYP11B2 gene for steroid 18-hydroxylase, complete cds	1600	1593G>A	3
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3' end	224	224G>A	R75H
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3' end	330	330C>T	S
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3' end	745	745T>C	3
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	277	148G>T	V50L
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1073	944G>A	R315K
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1083	954G>A	S
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1773	1644C>T	3

D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	2037	1908C>T	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3378	3276G>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3755	3653G>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3949	3847G>C	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	4368	4266T>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	4455	4353G>A	3
D63480	D63480	116898	GEN-3DN	Human mRNA for KIAA0146 gene, partial cds	1728	1728G>A	S
D82347	D82347	601724	GEN-MIP	Neurogenic differentiation 1	804	695G>A	G232D
D85730	D85730	140559	GEN-LR0	Homo sapiens HSFA1L mRNA for Heat shock protein 70 testis variant, complete cds	2156	2021C>G	3
D87258	D87258	602194	GEN-42R	Human mRNA for serin protease with IGF-binding motif, complete cds	150	102C>T	S
D87812	D87812	600528	GEN-6	Carnitine Palmitoyltransferase I (muscle)	2363	2344T>C	3
D90228	D90228	203750	GEN-46A	ACAT1	547	471C>A	S
DCN	M14219	125255	GEN-1QX	Human chondroitin/dermatan sulfate proteoglycan (PG40) core protein mRNA, complete cds	1490	1409A>G	3
DCN	M14219	125255	GEN-1QX	Human chondroitin/dermatan	1534	1453C>T	3

DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	229	(-48)A>G	5
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	366	90G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	474	198G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	1539	1233G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	2040	1764A>C	3
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	2045	1769C>A	3
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1141	1104C>T	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1627	1590T>C	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1696	1659G>A	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1946	1909G>A	V637M
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	2433	2396G>A	3
EDN2	M65199	131241	GEN-CBS	Endothelin 2	384	314C>T	A105V
EDN2	M65199	131241	GEN-CBS	Endothelin 2	997	927A>G	3
EDN2	M65199	131241	GEN-CBS	Endothelin 2	997	927A>G	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1262	1152G>A	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1649	1539C>G	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1700	1590C>T	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1742	1632C>T	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1797	1687C>T	3

EDN3	X52001	131242	GEN-33E	Endothelin 3	1914	1804G>C	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	2040	1930C>T	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1449	969C>T	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1449	969C>T	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1485	1005A>G	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1485	1005A>G	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1485	1005A>G	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1834	1354C>G	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1834	1354C>G	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2228	1748G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2376	1896G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2764	2284G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2764	2284G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2764	2284G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2840	2360G>C	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2935	2455G>A	3
EDNRA	D90348	131243	GEN-19S	Endothelin Receptor Type A	3294	2814A>G	3
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	332	99C>T	S
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	1064	831G>A	S
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	1064	831G>A	S
EHHADH	L07077	261515	GEN-1DF	Human enoyl-CoA- hydratase 3-hydroxyacyl- CoA dehydrogenase	1225	1218G>A	S

EHHA DH	L07077	261515	GEN-1DF	(EHHA DH) mRNA, complete cds with repeats Human enoyl-CoA: hydratase 3-hydroxyacyl- CoA dehydrogenase	1823	1816C>A	P606T
FACL1	L09229	152425	GEN-1GI	(EHHA DH) mRNA, complete cds with repeats Human long-chain acyl- coenzyme A synthetase	3026	2953G>A	3
FACL1	L09229	152425	GEN-1GI	(FACL1) mRNA, complete cds Human long-chain acyl- coenzyme A synthetase	3083	3010G>A	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	323	(-123)G>C	5
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1180	735T>C	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1201	756A>G	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1216	771A>G	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1218	773G>C	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1266	821A>C	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1306	861C>T	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1654	1209A>T	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA,	1657	1212T>C	3

FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1799	1354A>T	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1801	1356C>T	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1867	1422A>G	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1945	1500C>A	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1973	1528G>A	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	2167	1722G>A	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	2186	1741A>G	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	2302	1857T>A	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	2328	1883G>A	3
FGF8	U36223	600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	300	291T>C	S
FGF8	U36223	600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	645	636G>C	S
FGF8	U36223	600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	648	639A>G	S
FGFR1	X51803	136350	GEN-32G	Human mRNA for fibroblast growth factor (FGF) receptor	276	159T>G	S
FGFR2	X528832	176943	GEN-341	Human bek mRNA for	338	159A>G	S

FGFR2	X52832	176943	GEN-341	Human fibroblast growth factor receptor-BEK	2903	2724A>T	3
FGFR3	M64347	134934	GEN-3EX	Human novel fibroblast growth factor receptor mRNA, 3 cds	3108	3108C>A	3
FGFR3	M64347	134934	GEN-3EX	Human novel fibroblast growth factor receptor mRNA, 3 cds	3715	3715G>A	3
FGFR4	X57205	134935	GEN-37M	Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4)	83	28G>A	V101
FGFR4	X57205	134935	GEN-37M	Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4)	217	162T>G	5
FSHR	M65085	136435	GEN-3FQ	FSH receptor	2105	2039G>A	S680N
GAA	Y00839	232300	GEN-UJ	α -glucosidase	815	(-14)G>A	5
GAA	Y00839	232300	GEN-UJ	α -glucosidase	861	33C>T	5
GAA	Y00839	232300	GEN-UJ	α -glucosidase	3301	2473C>T	3
GAA	Y00839	232300	GEN-UJ	α -glucosidase	3477	2649C>T	3
GAA	Y00839	232300	GEN-UJ	α -glucosidase	3496	2668T>G	3
GAA	Y00839	232300	GEN-UJ	α -glucosidase	3509	2681G>A	3
GALN	M77140	137035	GEN-3PM	H.sapiens pro-galanin mRNA, 3' end	339	339C>T	3
GC	M12654	139200	GEN-1MN	Human serum vitamin D-binding protein (hDBP) mRNA, complete cds	925	897T>C	5
GC	M12654	139200	GEN-1MN	Human serum vitamin D-binding protein (hDBP) mRNA, complete cds	1324	1296G>T	E432D
GC	M12654	139200	GEN-1MN	Human serum vitamin D-binding protein (hDBP) mRNA, complete cds	1335	1307C>A	T436K
GC	M12654	139200	GEN-1MN	Human serum vitamin D-binding protein (hDBP) mRNA, complete cds	1362	1334G>A	R445H
GLP1R	U01157	138032	GEN-V3	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide	780	780C>A	F260L

GLP1R	U01157	138032	GEN-V3	repeat, complete cds Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds	780	780C>A	F260L
GLP1R	U01157	138032	GEN-V3	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds	947	947G>C	G316A
GLP1R	U01157	138032	GEN-V3	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds	947	947G>C	G316A
GLP1R	U01157	138032	GEN-V3	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds	1200	1200C>A	S
GLP1R	U01157	138032	GEN-V3	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds	1200	1200C>A	S
GNRHR	L07949	1388850	GEN-1F1	Gonadotropin releasing hormone agonist	1371	1347C>A	3
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	504	186G>A	S
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	610	292C>G	R98G
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	911	593C>T	F198L
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	1048	730A>C	3
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	1110	792A>C	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	821	773C>T	3

GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	979	931G>A	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1187	1139T>G	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1354	1306C>T	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1443	1395C>T	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1516	1468C>A	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1581	1533C>T	3
GPX4	X71973	138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	718	638T>C	3
GPX4	X71973	138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	837	757C>A	3
GPX4	X71973	138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	882	802A>C	3
GSS	U34683	601002	GEN-2LF	Human glutathione synthetase mRNA, complete cds	364	324G>A	5
GYS1	J04501	138570	GEN-14W	Human muscle glycogen synthase mRNA, complete cds	567	407T>C	1136T
GYS1	J04501	138570	GEN-14W	Human muscle glycogen synthase mRNA, complete cds	2276	2116C>A	R706S
GYS1	J04501	138570	GEN-14W	Human muscle glycogen synthase mRNA, complete cds	2457	2297A>C	3

GYS1	J04501	138570	GEN-14W	Human muscle glycogen synthase mRNA, complete cds	2470	2310C>T	3
GYS1	J04501	138570	GEN-14W	Human muscle glycogen synthase mRNA, complete cds	3099	2939T>C	3
HADHA	U04627	600890	GEN-155	Human 78 kDa gastrin-binding protein mRNA, complete cds	1507	1507G>A	V503M
HADHB	D16481	143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	871	825T>C	S
HADHB	D16481	143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	1607	1561G>C	3
HADHB	D16481	143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	1908	1862A>C	3
HADHB	D16481	143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	1911	1865A>C	3
HGF	X16323	142409	GEN-1Y1	Human mRNA for hepatocyte growth factor (HGF)	5740	5606T>A	3
HSD17B3	U05659	264300	GEN-186	Human 17beta-hydroxysteroid dehydrogenase type 3 mRNA, complete cds	894	846G>C	S
IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	859	776G>A	S

IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1403	1320G>T	3
IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1443	1360G>A	3
IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1446	1363G>A	3
IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1485	1402A>T	3
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete cds	751	751A>C	3
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide	835	835A>C	3
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide	850	850G>A	3
ITGA5	X06256	135620	GEN-19B	Human fibronectin receptor alpha subunit	2562	2539C>A	L847I
J00117	J00117	118860	GEN-2H	CHORIOGONADOTROPI N BETA CHAIN PRECURSOR	17	(-9)G>A	5
J00117	J00117	118860	GEN-2H	CHORIOGONADOTROPI N BETA CHAIN PRECURSOR	155	130C>A	P44T
J00117	J00117	118860	GEN-2H	CHORIOGONADOTROPI N BETA CHAIN PRECURSOR	331	306C>A	F
J00117	J00117	118860	GEN-2H	CHORIOGONADOTROPI N BETA CHAIN PRECURSOR	435	410A>C	D137A

J00117	J00117 118860	GEN-2H CHORIOGONADOTROPI N BETA CHAIN PRECURSOR	475	450C>T	S	
J00117	J00117 118860	GEN-2H CHORIOGONADOTROPI N BETA CHAIN PRECURSOR	517	492A>C	S	
J00123	J00123 131330	GEN-MK4 GEN-MH8	Human enkephalin gene	81	81C>T	S
J00277	J00277 190020		Human (genomic clones lambda-[SK2-T2, HS578T]; cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene, complete coding sequence	81	81T>C	S
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	1931	1853T>C	V618A
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	6616	6538C>T	F
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	7014	6936T>C	S
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	7623	7545T>C	S
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	8294	8216C>T	P2739L
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	8625	8547T>C	S
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	10033	9955G>C	D3319H
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	10358	10280C>A	T3427K
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	10372	10294C>G	Q3432E
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	11273	11195T>C	I3732T
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	11705	11627C>T	A3876V
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	11862	11784T>A	S
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	11923	11845T>C	F3949L

J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	12461	12383A>T	E4128V
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	12476	12398G>C	G4133A
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	12486	12408G>C	S
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	12619	12541G>A	E4181K
J02611	J02611	107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	676	615T>G	3
J02611	J02611	107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	683	622T>G	3
J02611	J02611	107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	701	640C>G	3
J02611	J02611	107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	745	684A>G	3
J03209	J03209	185250	GEN-PK	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	133	133G>A	E45K
J03209	J03209	185250	GEN-PK	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	288	288C>T	S
J03210	J03210	120360	GEN-ZY	Human collagenase type IV mRNA, 3' end	721	721C>T	P241S
J03210	J03210	120360	GEN-ZY	Human collagenase type IV mRNA, 3' end	1759	1759C>T	P587S
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2 mRNA, 3' end	932	380G>A	R127H
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2 mRNA, 3' end	1063	511G>A	A171T
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2 mRNA, 3' end	1190	638C>G	3
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2 mRNA, 3' end	1201	649C>T	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	172	57C>T	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	559	444C>T	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1704	1589C>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1833	1718C>G	3

J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1858	1743G>T	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1959	1844A>C	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	2190	2075delT	F
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	3301	3186C>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	3991	3876A>G	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	4187	4072G>A	3
J03258	J03258	601769	GEN-2J	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	4187	4072G>A	3
J03490	J03490	246900	GEN-C5	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	1569	1493A>C	N498T
J03490	J03490	246900	GEN-C5	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	1624	1548T>A	3
J03490	J03490	246900	GEN-C5	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex)	1813	1737A>G	3

J03490	J03490	246900	GEN-C5	branched chain keto acid dehydrogenase complex) Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	2096	2020T>C	3
J03548	J03548	103260	GEN-11M	Human adrenodoxin mRNA, complete cds	1099	967G>A	3
J03548	J03548	103260	GEN-11M	Human adrenodoxin mRNA, complete cds	1123	991T>C	3
J03548	J03548	103260	GEN-11M	Human adrenodoxin mRNA, complete cds	1222	1090G>C	3
J03548	J03548	103260	GEN-11M	Human adrenodoxin mRNA, complete cds	1254	1122G>A	3
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	501	479A>G	N160S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	604	582C>T	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	803	781G>T	A261S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1042	1020C>T	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1535	1513- 1515CCT>CC	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1535	1513- 1515delCCT	[P505V;50- 6-505del] D592G
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1797	1775A>G	
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2215	2193G>A	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2350	2328A>G	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2505	2483T>C	MB28T
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	3409	3387T>C	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	3409	3387T>C	S

J05070	J05070	120361	GEN-16U	enzyme (ACE) Human type IV collagenase mRNA, complete cds	1840	1821A>C	S
J05070	J05070	120361	GEN-16U	Human type IV collagenase mRNA, complete cds	2101	2082G>A	S
J05070	J05070	120361	GEN-16U	Human type IV collagenase mRNA, complete cds	2146	2127C>T	3
J05070	J05070	120361	GEN-16U	Human type IV collagenase mRNA, complete cds	2288	2269T>C	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2314	2314C>T	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2316	2316G>T	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2332	2332G>T	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2541	2541G>A	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2651	2651C>T	3
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	112	52G>A	A18T
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	121	61G>A	E21K
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	151	91G>A	E31K
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	197	137T>C	L46P
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	204	144delG	F
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	238	178A>G	T60A

K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	365	305C>G	P102R
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	409	349G>A	A117T
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	448	388T>C	C130R
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	494	434G>A	G145D
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	515	455G>A	R152Q
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	520	460C>A	R154S
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	538	478C>T	R160C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	547	487C>T	R163C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	548	488G>A	R163H
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	550	490A>G	K164E
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	586	526C>T	R176C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	586	526C>T	R176C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	743	683G>A	F
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	785	725G>A	R242Q

K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	796	736C>T	R246C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	821	761T>A	V254E
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	865	805C>G	R269G
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	935	875G>A	R292H
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	1000	940A>C	S314R
K01911	K01911	162640	GEN-2O	Neuropeptide Y mRNA	236	150G>A	S
K01911	K01911	162640	GEN-2O	Neuropeptide Y mRNA	290	204C>T	S
K02770	K02770	147720	GEN-5M	Interleukin 1, beta mRNA	19	(-68)A>C	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta mRNA	26	(-61)A>C	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta mRNA	48	(-39)C>T	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta mRNA	114	28G>A	E10K
K02770	K02770	147720	GEN-5M	Interleukin 1, beta mRNA	119	33G>A	M11I
K03195	K03195	138140	GEN-ZT	Human (HepG2) glucose transporter gene mRNA, complete cds	1484	1305C>T	S
K03195	K03195	138140	GEN-ZT	Human (HepG2) glucose transporter gene mRNA, complete cds	2120	1941G>C	3
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2308	2308A>G	T770A
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2353	2353G>C	G785R
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2499	2499C>G	N833K
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2537	2537A>T	E846V

KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	4123	4123G>C	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	71	72C>T	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	103	104G>A	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	716	717C>T	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	881	882G>A	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1180	1181A>G	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1186	1187C>G	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1187	1188T>G	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1191	1192G>A	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1222	1223G>A	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1223	1224C>T	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1224	1225G>A	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1227	1228T>C	3
L00352	L00352	143890	GEN-	Human low density	1234	1235T>C	3

L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1252	1253A>T	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1268	1269A>C	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1268	1269A>T	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1279	1280C>T	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1280	1281G>A	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1308	1309C>T	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1309	1310G>A	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1316	1317G>A	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1320	1321T>C	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1345	1346G>A	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1368	1369T>C	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1376	1377C>T	3
L00352	L00352	143890	GEN- 2S8	Lipoprotein receptor gene, exon 18 Human low density	1383	1384C>T	3

L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1406	1407T>C	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1418	1419G>C	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1428	1429T>C	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1453	1454C>T	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1796	1797T>C	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	2108	2109G>A	3
L00352	L00352	143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	2490	2491A>C	3
L02932	L02932	170998	GEN-KW4	Human peroxisome proliferator activated receptor mRNA, complete cds	648	432G>A	S
L07592	L07592	600409	GEN-1E7	Human peroxisome proliferator activated receptor mRNA, complete cds	3119	2782C>G	3
L13286	L13286	600125	GEN-1O3	Human mitochondrial 1,25-dihydroxyvitamin D3 24-hydroxylase mRNA, complete cds	2031	1638G>A	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase	1410	1411T>A	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase	1646	1647C>G	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase	1650	1651G>C	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase	1677	1678C>G	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase	2222	2223C>T	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase	2444	2445C>T	3
L13858	L13858	182530	GEN-S	Human guanine nucleotide 423	423	423T>C	S

L13858	L13858	182530	1PL	exchange factor mRNA, complete cds	3957	3957G>A	S
L17075	L17075	601284	GEN-1PL	Human guanine nucleotide exchange factor mRNA, complete cds	838	747G>A	S
L19182	L19182	602867	GEN-1ZQ	Human TGF- β superfamily receptor type I mRNA, complete cds	297	284G>A	R95K
L20859	L20859	137570	GEN-212	Human MAC25 mRNA, complete cds	3141	2771A>G	3
L26232	L26232	172425	GEN-23V	Human leukemia virus receptor 1 (GLVR1) mRNA, complete cds	906	819C>T	S
L26232	L26232	172425	GEN-2AK	Human phospholipid transfer protein mRNA, complete cds	1547	1460C>A	T487K
L27080	L27080	None	GEN-4G2	Human phospholipid transfer protein mRNA, complete cds	146	(-38)A>C	5
L27080	L27080	None	GEN-4G2	Human melanocortin 5 receptor (MC5R) gene, complete cds	927	744C>T	S
L40992	L40992	600211	GEN-2SO	Homo sapiens (clone PEBP2 α A1) core-binding factor, runt domain, alpha subunit 1 (CBFA1) mRNA, 3' end of cds	265	265G>A	V89I
L78207	L78207	600509	GEN-5Q	Cell surface receptor for sulfonylureas on pancreatic b cells	4019	3981A>G	S
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- (r) mRNA, complete cds	446	253A>G	T85A
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- (r) mRNA, complete cds	519	326A>G	K109R
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- (r) mRNA, complete cds	861	668A>G	Q223R
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- (r) mRNA, complete cds	1222	1029T>C	S

LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- r) mRNA, complete cds	2161	1988G>C	K656N
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- r) mRNA, complete cds	2174	1981A>C	T661P
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- r) mRNA, complete cds	2764	2571T>G	S
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- r) mRNA, complete cds	3151	2958C>T	S
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob- r) mRNA, complete cds	3250	3057G>A	S
LIPA	X76488	278000	GEN-3P2	Human leptin receptor (Ob- r) mRNA, complete cds	91	46A>C	T16P
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	212	67G>A	G23R
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	967	822G>A	M274I
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	1531	1386C>T	3
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	2254	2109A>T	3
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	2439	2294C>T	3
LIPC	J03540	151670	GEN-11J	Human hepatic lipase	469	465T>G	S
LIPC	J03540	151670	GEN-11J	mRNA, complete cds	595	591A>G	S
LIPC	J03540	151670	GEN-11J	Human hepatic lipase	648	644G>A	S215N
LIPC	J03540	151670	GEN-11J	mRNA, complete cds	817	813C>T	S
LIPC	J03540	151670	GEN-11J	Human hepatic lipase	1441	1437C>A	S
LRP1	D90070	107770	GEN-466	Human ATL-derived PMA- responsive (APR) peptide	686	513T>G	3
LRPAP1	M63959	104225	GEN-3EI	Human alpha-2- macroglobulin receptor- associated protein mRNA,	850	837G>A	S
LRPAP1	M63959	104225	GEN-3EI	complete cds	1093	1080C>T	3
				Human alpha-2- macroglobulin receptor-			

LRPAP1	M63959	104225	GEN-3EI	associated protein mRNA, complete cds	Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds	1175	1162G>A	3
LRPAP1	M63959	104225	GEN-3EI	associated protein mRNA, complete cds	Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds	1249	1236C>T	3
LRPAP1	M63959	104225	GEN-3EI	associated protein mRNA, complete cds	Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds	1249	1236C>T	3
LRPAP1	M63959	104225	GEN-3EI	associated protein mRNA, complete cds	Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds	1392	1379T>G	3
M10051	M10051	147670	GEN-2V	associated protein mRNA, complete cds	Insulin receptor	2757	2619G>A	S
M10051	M10051	147670	GEN-2V	associated protein mRNA, complete cds	Insulin receptor	4391	4253G>A	S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	Corticosteroid nuclear receptor b	1220	1088A>G	N363S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	Corticosteroid nuclear receptor b	2024	1892- 1893AG>AG	S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	Corticosteroid nuclear receptor b	2024	1892- 1893AG>AG	F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	Corticosteroid nuclear receptor b	2054	1922A>T	D641V
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	Corticosteroid nuclear receptor b	2372	2240T>G	I747S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	Corticosteroid nuclear receptor b	2391	2259A>C	L753F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	Corticosteroid nuclear receptor b	2391	2259A>T	L753F
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	2166	2034C>T	S	
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3353	3221T>G	S	
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3398	3266T>G	S	
M11717	M11717	140550	GEN- MF3	Human heat shock protein (hsp 70) gene, complete cds	54	(-162)G>A	5	

M11717	M11717	140550	GEN-MF3	Human heat shock protein (hsp 70) gene, complete cds	190	(-26)C>G	5
M11717	M11717	140550	GEN-MF3	Human heat shock protein (hsp 70) gene, complete cds	320	105C>T	S
M11717	M11717	140550	GEN-MF3	Human heat shock protein (hsp 70) gene, complete cds	390	175G>A	V59M
M11717	M11717	140550	GEN-MF3	Human heat shock protein (hsp 70) gene, complete cds	431	216C>G	S
M11717	M11717	140550	GEN-MF3	Human heat shock protein (hsp 70) gene, complete cds	545	330G>C	E110D
M11717	M11717	140550	GEN-MF3	Human heat shock protein (hsp 70) gene, complete cds	1907	1692C>G	S
M11717	M11717	140550	GEN-MF3	Human heat shock protein (hsp 70) gene, complete cds	2319	2104A>G	3
M12578	M12578	152760	GEN-2Y	Gonadotropin-releasing hormone (luteinizing-releasing hormone) Estrogen receptor	79	47G>C	W16S
M12674	M12674	133430	GEN-7Z	Human skin collagenase mRNA, complete cds	1267	975C>G	S
M13509	M13509	120353	GEN-QJ	Human skin collagenase mRNA, complete cds	383	315A>G	S
M13509	M13509	120353	GEN-QJ	Human skin collagenase mRNA, complete cds	899	831G>A	S
M13509	M13509	120353	GEN-QJ	Human skin collagenase mRNA, complete cds	1522	1454A>G	3
M14221	M14221	161565	GEN-QM	Human skin collagenase mRNA, complete cds	1747	1679C>T	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	184	(-1)T>C	5
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	270	76G>C	V26L
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	446	252C>T	S

M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1254	1060C>G	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1306	1112G>A	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1336	1142T>A	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1338	1144C>T	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1451	1257G>A	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1462	1268C>T	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1522	1328G>C	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1557	1363G>C	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1585	1391C>A	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1630	1436T>C	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1668	1474T>G	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1712	1518C>G	3
M14221	M14221	161565	GEN-QM	complete cds	Human cathepsin B proteinase mRNA, complete cds	1898	1704A>G	3
M14565	M14565	118485	GEN-30	Cytochrome P450, complete cds	Cytochrome P450, complete cds	947	903G>C	M301I

M15856	M15856	238600	GEN-33	Lipoprotein lipase	836	662T>C	I221T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	839	665G>A	G222E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	843	669C>T	S
M15856	M15856	238600	GEN-33	Lipoprotein lipase	867	693C>G	D231E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	875	701C>T	P234L
M15856	M15856	238600	GEN-33	Lipoprotein lipase	916	742delG	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	983	809G>A	R270H
M15856	M15856	238600	GEN-33	Lipoprotein lipase	985	811T>A	S271T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1003	829G>A	D277N
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1127	953A>G	N318S
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1255	1081G>A	A361T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1348	1174C>G	L392V
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1401	1227G>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1508	1334G>A	C445Y
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1553	1379C>T	A460V
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1595	1421C>G	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1611	1437G>A	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1973	1799T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2428	2254T>A	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2743	2569T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2851	2677A>G	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2851	2677A>G	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2958	2784G>A	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3017	2843T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3272	3098T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3272	3098T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3343	3169T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3447	3273C>T	3
M16660	M16660	140571	GEN-1YC	Human 90-kDa heat-shock protein gene, cDNA, complete cds	825	741G>A	S
M16660	M16660	140571	GEN-1YC	Human 90-kDa heat-shock protein gene, cDNA, complete cds	825	741G>A	S
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	175	(-42)C>G	5
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor	754	538A>G	I180V

M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	938	722C>T	A241V
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	1221	1005delC	F
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	1591	1375delT	F
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	1713	1497C>T	S
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	1825	1609C>T	F
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	2438	2222T>G	V741G
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	2730	2514G>A	S
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	5243	5027T>A	3
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	5645	5429G>A	3
M16827	M16827	201450	GEN-EI	Acyl-Coenzyme A dehydrogenase, C-4 to C- 12 straight-chain Androgen receptor	1956	1938T>C	3
M20132	M20132	313700	GEN-38	Androgen receptor (dihydrotestosterone receptor)	995	633G>A	S
M20132	M20132	313700	GEN-38	Androgen receptor (dihydrotestosterone receptor)	1385	1023T>C	S
M20132	M20132	313700	GEN-38	Androgen receptor (dihydrotestosterone receptor)	1786	1424G>A	G475E
M20566	M20566	147880	GEN-3A	Interleukin 6A	3058	2621A>T	3
M20681	M20681	138170	GEN- 230	Human glucose transporter-like protein-III (GLUT3), complete cds	1550	1308C>T	S
M20681	M20681	138170	GEN- 230	Human glucose transporter-like protein-III (GLUT3), complete cds	3179	2937T>C	3
M20681	M20681	138170	GEN- 230	Human glucose transporter-like protein-III (GLUT3), complete cds	3238	2996C>T	3

M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3356	3114T>C	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3378	3136T>C	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3524	3282C>A	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3572	3330G>T	3
M23725	M23725	179050	GEN-ES	Pyruvate kinase, muscle	547	438C>T	S
M23725	M23725	179050	GEN-ES	Pyruvate kinase, muscle	850	741G>A	S
M23725	M23725	179050	GEN-ES	Pyruvate kinase, muscle	1259	1150G>A	E384K
M24857	M24857	180190	GEN-80	Retinoic acid receptor, gamma 1	1694	1280C>T	S427L
M26393	M26393	201470	GEN-EW	Acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain dehydrogenase	1797	1765A>G	3
M27137	M27137	109715	GEN-5W	3beta hydroxysteroid dehydrogenase	1103	1100C>A	T367N
M27492	M27492	147810	GEN-3F	INTERLEUKIN 1 RECEPTOR, TYPE I PRECURSOR	4686	4604T>G	3
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	34	15G>C	S
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	202	183C>T	S
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	204	185T>G	L62W
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	255	236C>T	S79F
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	689	670C>T	S
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	824	805G>A	S
M28614	M28614	107720	GEN-6Q	Apolipoprotein C-III	370	340C>G	3
M28614	M28614	107720	GEN-6Q	Apolipoprotein C-III	401	371T>G	3
M28614	M28614	107720	GEN-6Q	Apolipoprotein C-III	479	449T>A	3

M29882	M29882	107670	GEN-6R	Apolipoprotein A-II	26	17C>A	A6E
M29882	M29882	107670	GEN-6R	Apolipoprotein A-II	183	174G>A	S
M29882	M29882	107670	GEN-6R	Apolipoprotein A-II	192	183C>A	S
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	178	79C>T	P27S
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	178	79C>T	P27S
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	203	104C>G	A35G
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	203	104C>G	A35G
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	210	111G>T	S
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	210	111G>T	S
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	327	228C>T	S
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	327	228C>T	S
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	553	454T>C	F
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	553	454T>C	F
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	626	527G>T	3
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	626	527G>T	3
M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	640	541T>C	3

M30262	M30262	600295	GEN-WA	Human cardiotrophin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	640	541T>C	3
M31145	M31145	146730	GEN-3J	Insulin-like growth factor binding protein 1 precursor	923	759A>G	I253M
M31145	M31145	146730	GEN-3J	Insulin-like growth factor binding protein 1 precursor	1048	884T>C	3
M31145	M31145	146730	GEN-3J	Insulin-like growth factor binding protein 1 precursor	1260	1096C>G	3
M31159	M31159	146732	GEN-2GD	Human growth hormone-dependent insulin-like growth factor-binding protein mRNA, complete cds	204	95G>C	G32A
M31159	M31159	146732	GEN-2GD	Human growth hormone-dependent insulin-like growth factor-binding protein mRNA, complete cds	2178	2069A>T	3
M31328	M31328	139130	GEN-7G	Guanine nucleotide binding protein (G protein), beta polypeptide 3	1049	1043G>A	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase	1271	1241C>T	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase	1344	1314G>A	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase	1489	1459G>A	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase	1780	1750T>C	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	109	109G>A	D37N
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	438	438A>G	S
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1172	1172A>C	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1179	1179C>T	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1323	1323C>A	3

M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1376	1376G>C	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1433	1433C>T	3
M34720	M34720	103980	GEN-RH	aldose reductase	676	663C>A	S
M34720	M34720	103980	GEN-RH	aldose reductase	1176	1163C>A	3
M37825	M37825	165190	GEN-20M	Human fibroblast growth factor-5 (FGF-5) mRNA, complete cds	787	648T>G	S
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	711	519T>C	S
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	936	744G>T	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	1270	1078T>C	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	3268	3076T>G	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4529	4337A>C	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4555	4363A>G	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4672	4480A>C	3
M55531	M55531	138230	GEN-FF	Solute carrier family 2 (facilitated glucose transporter), member 5	1208	1133T>G	V378G
M55531	M55531	138230	GEN-FF	Solute carrier family 2 (facilitated glucose transporter), member 5	1975	1900C>T	3
M55531	M55531	138230	GEN-FF	Solute carrier family 2 (facilitated glucose transporter), member 5	1985	1910A>G	3
M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase	1828	1813C>T	3

M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	1956	1941C>G	3
M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	2057	2042C>G	3
M59305	M59305	108962	GEN-39P	Human atrial natriuretic peptide clearance receptor (ANP C-receptor) mRNA, complete cds	160	(-203) (-199)delTTTTT	F
M59830	M59830	603012	GEN-MSB	Human MHC class III HSP70-2 gene (HLA), complete cds	1860	1860C>G	S
M61906	M61906	171833	GEN-RV	Human P13-kinase associated p85 mRNA sequence	3112	3113A>G	3
M62782	M62782	146734	GEN-3CU	Homo sapiens insulin-like growth factor binding protein 5 (IGFBP-5) mRNA, complete cds	908	852C>T	3
M63960	M63960	176875	GEN-FT	Protein phosphatase 1, catalytic subunit, alpha isoform	1087	1058G>T	3
M63960	M63960	176875	GEN-FT	Protein phosphatase 1, catalytic subunit, alpha isoform	1292	1263G>A	3
M64590	M64590	238300	GEN-FU	Glycine cleavage system: Protein P	3076	2926A>G	M976V
M64710	M64710	None	GEN-KUW	Human C-type natriuretic peptide gene, complete cds	199	200C>G	3
M64710	M64710	None	GEN-KUW	Human C-type natriuretic peptide gene, complete cds	777	778G>A	3
M64710	M64710	None	GEN-KUW	Human C-type natriuretic peptide gene, complete cds	1215	1216A>G	3

M65028	M65028	602372	GEN-3FM	Human hnRNP type A/B protein mRNA, complete cds	273	131C>G	P44R
M65028	M65028	602372	GEN-3FM	Human hnRNP type A/B protein mRNA, complete cds	595	453C>G	S
M65028	M65028	602372	GEN-3FM	Human hnRNP type A/B protein mRNA, complete cds	1255	1113A>G	3
M68867	M68867	180231	GEN-S1	Human cellular retinoic acid-binding protein II (CRABP) mRNA, complete cds	604	506C>A	3
M82962	M82962	600388	GEN-3XC	Human N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha) mRNA, complete cds	2316	2307T>G	3
M82962	M82962	600388	GEN-3XC	Human N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha) mRNA, complete cds	2428	2419A>C	3
M83667	M83667	116898	GEN-3YG	Human NF-IL6-beta protein mRNA, complete cds	574	486G>T	E162D
M83667	M83667	116898	GEN-3YG	Human NF-IL6-beta protein mRNA, complete cds	578	490C>T	P164S
M83667	M83667	116898	GEN-3YG	Human NF-IL6-beta protein mRNA, complete cds	581	493C>T	R165C
M83667	M83667	116898	GEN-3YG	Human NF-IL6-beta protein mRNA, complete cds	974	886C>G	3
M84755	M84755	162641	GEN-46	Neuropeptide Y1 mRNA, complete cds	1121	1121A>C	K374T
M86553	M86553	116845	GEN-416	Human cathepsin S mRNA, complete cds	26	20T>C	V7A
M86553	M86553	116845	GEN-416	Human cathepsin S mRNA, complete cds	487	481A>T	T161S
M86553	M86553	116845	GEN-416	Human cathepsin S	705	699G>C	S

M86553	M86553	116845	GEN-416	mRNA, complete cds	1149	1143T>G	3
				Human cathepsin S			
M87290	M87290	106165	GEN-19	mRNA, complete cds			
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	296	16T>C	S6P
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	413	133G>A	G45R
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	853	573T>C	S
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	853	573T>C	S
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1342	1062A>G	S
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1342	1062A>G	S
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1430	1150T>G	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1446	1166C>A	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1446	1166C>A	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1446	1166C>A	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1453	1173A>G	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1677	1397G>A	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1797	1517G>T	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1885	1605C>T	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1916	1636T>C	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	2158	1878A>G	3
M90516	M90516	138292	GEN-GI	Glutamine-fructose-6-phosphate transaminase	2968	2846T>G	3
M93415	M93415	102581	GEN-48S	Human activin type II receptor mRNA, complete cds	136	(-38)G>T	5
MC1R	X67594	155555	GEN-4G4	H.sapiens mRNA for MSH receptor	346	178G>T	V60L
MC1R	X67594	155555	GEN-4G4	H.sapiens mRNA for MSH receptor	656	488A>G	Q163R
MC1R	X67594	155555	GEN-4G4	H.sapiens mRNA for MSH receptor	1068	900C>T	S
MC1R	X67594	155555	GEN-4G4	H.sapiens mRNA for MSH receptor	1110	942A>G	S
MC1R	X67594	155555	GEN-4G4	H.sapiens mRNA for MSH receptor	1134	966G>A	3
MET	M35074	164860	GEN-2LU	Human met oncogene mRNA, 3' end	60	60C>T	S
MET	M35074	164860	GEN-2LU	Human met oncogene mRNA, 3' end	294	294G>A	S

MGF	M58549	154870	GEN-38Y	Human matrix Gla protein (MGP) mRNA, complete cds	330	304A>G	T102A
MMP12	L23808	601046	GEN-27J	Human metalloproteinase (HME) mRNA, complete cds	1082	1070A>G	N357S
MMP2	D85510	602261	GEN-40A	Homo sapiens mRNA for SMCP-2, partial cds	2389	2389G>C	3
MPV17	X76538	600945	GEN-3P6	H.sapiens Mpv17 mRNA	575	548C>T	3
MTP	X75500	157147	GEN-307	H.sapiens mRNA for microsomal triglyceride transfer protein	1847	1823T>G	F608C
MTP	X75500	157147	GEN-307	H.sapiens mRNA for microsomal triglyceride transfer protein	3231	3207G>A	3
NGFB	X52599	162030	GEN-33V	Human mRNA for beta nerve growth factor	832	663G>A	S
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2716	2603C>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2729	2616C>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2912	2799G>A	3
NOS1	U17327	163731	GEN-209	Human neuronal nitric oxide synthase (NOS1) mRNA, complete cds	3391	2706C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1380	1155C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1380	1155C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1503	1278C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1503	1278C>T	S

NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2048	1823C>T	S608L
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2048	1823C>T	S608L
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2287	2062G>A	G688S
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2287	2062G>A	G688S
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2339	2114A>G	D705G
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2339	2114A>G	D705G
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2583	2358T>C	S
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2583	2358T>C	S
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2982	2757A>G	S
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	2982	2757A>G	S
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	3022	2797C>G	R933G
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	3022	2797C>G	R933G
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	3051	2826C>T	S
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	3051	2826C>T	S
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	3693	3468T>C	3
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	3693	3468T>C	3
NOS2A	X73029	163730	GEN- 3LW	H.sapiens mRNA for nitric oxide synthase	3715	3490G>A	3
NRAS	X02751	164790	GEN-XG	Human N-ras mRNA and flanking regions	221	(-506)A>G	5
NRAS	X02751	164790	GEN-XG	Human N-ras mRNA and flanking regions	390	(-337)C>A	5
NTRK1	X66397	191315	GEN-	H.sapiens lpr mRNA	2632	2335G>A	V779I

NTRK3	U05012	191316	3GN	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	364	209G>A	S70N
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	728	573C>T	S
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	1613	1458G>T	S
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	1643	1488G>C	S
OSBP	M86917	167040	GEN-425	Human oxysterol-binding protein (OSBP) mRNA, complete cds	216	(-265)T>G	5
OSBP	M86917	167040	GEN-425	Human oxysterol-binding protein (OSBP) mRNA, complete cds	802	322C>T	F
OSBP	M86917	167040	GEN-425	Human oxysterol-binding protein (OSBP) mRNA, complete cds	888	408C>T	S
OSBP	M86917	167040	GEN-425	Human oxysterol-binding protein (OSBP) mRNA, complete cds	934	454T>G	S152A
PACE	X17094	136950	GEN-12V	Human fur mRNA for furin	399	183C>T	S
PACE	X17094	136950	GEN-12V	Human fur mRNA for furin	1692	1476G>T	S
PACE	X17094	136950	GEN-12V	Human fur mRNA for furin	2067	1851C>G	S
PACE	X17094	136950	GEN-12V	Human fur mRNA for furin	2725	2509T>C	3
PACE	X17094	136950	GEN-12V	Human fur mRNA for furin	2855	2639C>A	3
PACE	X17094	136950	GEN-12V	Human fur mRNA for furin	2988	2772G>A	3
PACE	X17094	136950	GEN-12V	Human fur mRNA for furin	3234	3018C>T	3
PACE	X17094	136950	GEN-12V	Human fur mRNA for furin	3625	3409A>G	3

PACE	X17094	136950	GEN-12Y	Human fur mRNA for furin	3883	3667C>T	3
PACE	X17094	136950	GEN-12Y	Human fur mRNA for furin	4053	3837A>G	3
PAM	M37721	170270	GEN-20K	Human peptidylglycine alpha-amidating monoxygenase mRNA, complete cds	3183	2995T>A	3
PAM	M37721	170270	GEN-20K	Human peptidylglycine alpha-amidating monoxygenase mRNA, complete cds	3530	3342A>G	3
PAX6	M77844	106210	GEN-3QG	H.sapiens oculorotobin (aniridia) mRNA, complete cds	669	307C>T	F
PC	U04641	266150	GEN-150	Human pyruvate carboxylase (PC) mRNA, complete cds	1391	1353C>T	S
PC	U04641	266150	GEN-150	Human pyruvate carboxylase (PC) mRNA, complete cds	2219	2181C>T	S
PC	U04641	266150	GEN-150	Human pyruvate carboxylase (PC) mRNA, complete cds	2912	2874G>T	S
PC	U04641	266150	GEN-150	Human pyruvate carboxylase (PC) mRNA, complete cds	3897	3859C>T	3
PCK1	L05144	261680	GEN-172	Homo sapiens (clone lambda-hPEC-3) phosphoenolpyruvate carboxykinase (PCK1) mRNA, complete cds	1223	1102G>A	V368I
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	849	795A>G	S
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	1337	1283C>T	3
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	1416	1362G>A	3

PEDF	M90439	172860	GEN-46E	Human molecular marker (EPC-1) gene, complete cds	40	2T>C	F
PEDF	M90439	172860	GEN-46E	Human molecular marker (EPC-1) gene, complete cds	215	177T>C	S
PEDF	M90439	172860	GEN-46E	Human molecular marker (EPC-1) gene, complete cds	788	750C>T	S
PEDF	M90439	172860	GEN-46E	Human molecular marker (EPC-1) gene, complete cds	900	862C>G	R288G
PEDF	M90439	172860	GEN-46E	Human molecular marker (EPC-1) gene, complete cds	952	914G>T	G305V
PHKG2	M31606	172471	GEN-2H7	Human phosphorylase kinase (PSK-C3) mRNA, complete cds	1155	1062C>G	S
PNLIP	M93285	246600	GEN-48N	Pancreatic lipase (PNLIP) (Dietary supplement)	646	646G>T	V216L
POMC	M28636	176830	GEN-2DG	Adrenocorticotrophic hormone (ACTH)	92	92C>T	3
PREP	X74496	600400	GEN-3N8	Prolyl Endopeptidase	390	390T>C	S
PREP	X74496	600400	GEN-3N8	Prolyl Endopeptidase	1051	1051T>G	L351V
PREP	X74496	600400	GEN-3N8	Prolyl Endopeptidase	1125	1125C>T	S
PREP	X74496	600400	GEN-3N8	Prolyl Endopeptidase	1363	1363G>A	V455M
PTHLH	J03580	168470	GEN-11U	Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA, complete cds	975	37G>A	V13M
PTHLH	J03580	168470	GEN-11U	Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA, complete cds	996	58G>A	V20M
PTPRF	Y00815	179590	GEN-UH	Human mRNA for LCA-	6939	6569A>G	3

PYGB	J03544	138550	GEN-11L	homolog, LAR protein (leukocyte antigen related) Human brain glycogen phosphorylase mRNA, complete cds	718	639C>T	S
PYGB	J03544	138550	GEN-11L	Human brain glycogen phosphorylase mRNA, complete cds	2449	2370G>A	S
PYGB	J03544	138550	GEN-11L	Human brain glycogen phosphorylase mRNA, complete cds	2712	2633C>G	3
PYGB	J03544	138550	GEN-11L	Human brain glycogen phosphorylase mRNA, complete cds	3346	3267C>T	3
PYGB	J03544	138550	GEN-11L	Human brain glycogen phosphorylase mRNA, complete cds	3644	3565G>A	3
PYGB	J03544	138550	GEN-11L	Human brain glycogen phosphorylase mRNA, complete cds	3687	3608G>A	3
PYGB	J03544	138550	GEN-11L	Human brain glycogen phosphorylase mRNA, complete cds	3770	3691G>A	3
PYGL	M36807	232700	GEN-2NJ	Human liver glycogen phosphorylase type IV mRNA, 3' end	702	702G>C	R234S
PYGL	M36807	232700	GEN-2NJ	Human liver glycogen phosphorylase type IV mRNA, 3' end	1108	1108C>G	3
RAF1	X06409	164760	GEN-19K	Human mRNA fragment for activated c-raf-1 (exons 8-17)	486	487T>C	3
RAF1	X06409	164760	GEN-19K	Human mRNA fragment for activated c-raf-1 (exons 8-17)	1947	1948C>T	3
RAF1	X06409	164760	GEN-19K	Human mRNA fragment for activated c-raf-1 (exons 8-17)	1992	1993C>A	3
S63912	S63912	601233	GEN-3EJ	D10S102=FBRNP [human, fetal brain, mRNA, 3043 nt]	2193	2163G>A	3
S70154	S70154	100678	GEN-GY	ACAT2	669	632A>G	K211R

S70154	S70154	100678	GEN-GY	ACAT2	820	783T>C	S
S70154	S70154	100678	GEN-GY	ACAT2	820	783T>C	S
S70154	S70154	100678	GEN-GY	ACAT2	856	819G>A	S
S70154	S70154	100678	GEN-GY	ACAT2	856	819G>A	S
S70154	S70154	100678	GEN-GY	ACAT2	1388	1351T>G	3
S70154	S70154	100678	GEN-GY	ACAT2	1395	1358-	3
S70154	S70154	100678	GEN-GY	ACAT2	1395	1362CTTTA>CTTTA	F
S70154	S70154	100678	GEN-GY	ACAT2	1395	1362delCTTT	1358-
S70154	S70154	100678	GEN-GY	ACAT2	1419	1382C>A	3
S70154	S70154	100678	GEN-GY	ACAT2	1419	1382C>A	3
S74445	S74445	180230	GEN-3N7	cellular retinol acid-binding protein [human, skin, mRNA, 735 nt]	134	60G>C	S
SLC5A1	M24847	182380	GEN-28S	Human Na ⁺ /glucose cotransporter 1 mRNA, complete cds	2226	2216C>T	3
SLO	U02632	600150	GEN-XA	Calcium-activated potassium channel	2377	2377T>G	S793A
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	44	40C>G	P14A
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	51	47T>C	V16A
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	198	194C>A	T65N
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	249	245T>C	I82T
SORD	U07361	182500	GEN-1DR	Homo sapiens sorbitol dehydrogenase gene, complete cds	606	465C>T	S
SORD	U07361	182500	GEN-	Homo sapiens sorbitol dehydrogenase gene, complete cds	857	716A>T	Q239L
SORD	U07361	182500	GEN-	Homo sapiens sorbitol	1247	1106T>C	3

SORD	U07361	182500	1DR	GEN-1DR	Homo sapiens sorbitol dehydrogenase gene, complete cds	1275	1134T>G	3
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	70	13A>T	I5F	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	123	66A>G	S	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	184	127G>T	V43L	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	559	502C>G	R168G	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	998	941C>G	3	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	1183	1126C>G	3	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	1413	1356G>A	3	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	1551	1494C>G	3	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	1922	1865G>T	3	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	2072	2015T>C	3	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	2092	2035A>G	3	
SPARC	J03040	182120	GEN-ZC	Human SPARC/osteonectin mRNA, complete cds	2104	2047A>C	3	

SPP1	X13694	166490	GEN-1P2	Human mRNA for osteopontin	349	282T>C	S
SPP1	X13694	166490	GEN-1P2	Human mRNA for osteopontin	817	750C>T	S
SPP1	X13694	166490	GEN-1P2	Human mRNA for osteopontin	969	902G>A	R301H
SPP1	X13694	166490	GEN-1P2	Human mRNA for osteopontin	1150	1083A>G	3
SPP1	X13694	166490	GEN-1P2	Human mRNA for osteopontin	1306	1239A>C	3
SRD5A2	M74047	264600	GEN-1P2	Human steroid 5-alpha-reductase 2 (SRD5A2) mRNA, complete cds	2379	2352A>G	3
STAR	U17280	600617	GEN208	Human steroidogenic acute regulatory protein (StAR) mRNA, complete cds	1439	1313C>T	3
TBG	M14091	314200	GEN-1QO	Human thyroxine-binding globulin mRNA, complete cds	901	571G>A	D191N
TBG	M14091	314200	GEN-1QO	Human thyroxine-binding globulin mRNA, complete cds	1239	909G>T	L303F
TCF14	X76930	600281	GEN-3PH	H.sapiens HNF4 mRNA for hepatocyte nuclear factor 4	1325	1306C>T	P436S
TF	M12530	190000	GEN-1MK	Human transferrin mRNA, complete cds	654	624G>A	S
TF	M12530	190000	GEN-1MK	Human transferrin mRNA, complete cds	768	738C>G	C246W
TF	M12530	190000	GEN-1MK	Human transferrin mRNA, complete cds	1447	1417G>T	V473F
TF	M12530	190000	GEN-1MK	Human transferrin mRNA, complete cds	1602	1572G>C	S
TF	M12530	190000	GEN-1MK	Human transferrin mRNA, complete cds	1632	1602C>T	S
TF	M12530	190000	GEN-32S	Human transferrin mRNA, complete cds	1795	1765C>T	P589S
TGFBR2	M85079	190182	GEN-	Human TGF-beta type II receptor mRNA, complete cds	2045	1710A>C	3
TGFBR3	L07594	600742	GEN-	Human transforming	3966	3618G>C	3

U00968	U00968	184756	GEN-UU	1EA	growth factor-beta type III receptor (TGF-beta) mRNA, complete cds	3983	3817G>A	3
U02031	U02031	600481	GEN-WD		Human sterol regulatory element binding protein-2 mRNA, complete cds	1089	972G>A	S
U09648	U09648	600650	GEN-11		Carnitine Palmitoyltransferase II	2556	2040G>A	3
U09648	U09648	600650	GEN-11		Carnitine Palmitoyltransferase II	2675	2159G>A	3
U09648	U09648	600650	GEN-11		Carnitine Palmitoyltransferase II	2792	2276G>A	3
U09648	U09648	600650	GEN-11		Carnitine Palmitoyltransferase II	2825	2309G>A	3
U09759	U09759	602896	GEN-1HA		Human protein kinase (JNK2) mRNA, complete cds	303	152A>G	N51S
U09759	U09759	602896	GEN-1HA		Human protein kinase (JNK2) mRNA, complete cds	1079	928A>G	I310V
U09759	U09759	602896	GEN-1HA		Human protein kinase (JNK2) mRNA, complete cds	1280	1129C>T	P377S
U09759	U09759	602896	GEN-1HA		Human protein kinase (JNK2) mRNA, complete cds	1559	1408C>T	3
U16031	U16031	None	GEN-HX		Transcription Factor IL-4	2964	2799G>A	3
U16660	U16660	600696	GEN-1YD		Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	149	122A>C	E41A
U16660	U16660	600696	GEN-1YD		Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	402	375G>A	S
U16660	U16660	600696	GEN-1YD		Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	802	775C>G	P259A

U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	1157	1130G>A	3
U19775	U19775	600289	GEN-22C	Human MAP kinase Mxi2 (Mxi2) mRNA, complete cds	731	688G>A	D230N
U24183	U24183	232800	GEN-19	Phosphofructokinase, muscle	70	(-1204)G>A	5
U24183	U24183	232800	GEN-19	Phosphofructokinase, muscle	237	(-1037)G>A	5
U24183	U24183	232800	GEN-19	Phosphofructokinase, muscle	592	(-882)T>C	5
U24183	U24183	232800	GEN-19	Phosphofructokinase, muscle	2662	1389T>G	S
U24183	U24183	232800	GEN-19	Phosphofructokinase, muscle	2953	1680C>T	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	335	335C>T	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	386	386T>C	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	1069	1069C>T	3
U26553	U26553	114131	GEN-66	Calcitonin Receptor	1412	1340C>T	P447L
U26553	U26553	114131	GEN-66	Calcitonin Receptor	1515	1443T>C	3
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	407	159C>T	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	833	585T>C	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	833	585T>C	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	1184	936T>C	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	1184	936T>C	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	1706	1458-T	3
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	1706	1458-T	3
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	2782	1460delTAT	F
U32989	U32989	191070	GEN-2JH	Human tryptophan oxygenase (TDO) mRNA, complete cds	991	927G>A	S

U40002	U40002	151750	GEN-2RH	Human hormone-sensitive lipase testicular isoform mRNA, complete cds	2076	1799C>A	P600H
U40347	U40347	600950	GEN-2RK	Human serotonin N-acetyltransferase mRNA, complete cds	382	148G>A	E50K
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	285	229A>C	K77Q
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	314	258A>T	K86N
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	336	280C>T	P94S
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	688	632C>T	T211I
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	970	914C>A	A305E
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	1511	1455G>A	S
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	2377	2321C>T	T774M
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	2730	2674C>T	P892S
U41078	U41078	600754	GEN-2SU	Human membrane-type matrix metalloproteinase-1 mRNA, complete cds	22	22C>T	P8S
U43142	U43142	601528	GEN-2UM	Human vascular endothelial growth factor related protein VRP mRNA, complete cds	1499	1128C>T	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b mRNA, complete cds	494	484T>C	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	496	486A>G	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	499	489A>G	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	502	492G>A	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	570	560G>C	G187A
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	573	563C>A	P188Q
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	1003	993G>A	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	1063	1053T>C	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	1066	1056G>A	S

U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	1105	1095C>T	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	1159	1149C>T	S
U48730	U48730	601511	GEN-JA	Transcription Factor Stat5b	1969	1959C>T	S
U49516	U49516	312861	GEN-1Q	Serotonin 5-HT receptors	2915	2187A>C	3
				5-HT2C			
U49516	U49516	312861	GEN-1Q	Serotonin 5-HT receptors	2947	2219A>G	3
				5-HT2C			
U62768	U62768	151300	GEN-3CR	Human oxytocinase splice variant 1 mRNA, complete cds	3356	3295G>C	3
				variant 1 mRNA, complete cds	3547	3486C>T	3
U71321	U71321	602623	GEN-2TW	Human FK506-binding protein FKBP51 mRNA, complete cds	1248	1095C>T	S
				protein FKBP51 mRNA, complete cds	1425	1272G>A	S
U94357	U94357	None	GEN-498	Homo sapiens glycogenin-2 delta (glycogenin-2) mRNA, partial cds	1595	1595C>T	3
				mRNA, partial cds	1844	1844A>C	3
UCP2	U76367	601693	GEN-30V	Human uncoupling protein-2 (UCP2) mRNA, nuclear gene encoding mitochondrial protein, complete cds	164	164C>T	A55V
				mitochondrial protein, complete cds	565	515T>C	3
V00518	V00518	118850	GEN-P4	Human messenger RNA for chorionic gonadotropin	299	259C>A	P87T
				Growth hormone 1	524	484G>T	G162W
V00519	V00519	139250	GEN-4U	Growth hormone 1	574	570G>A	S
V00519	V00519	139250	GEN-4U	Prolactin	822	637delA	F
V00566	V00566	176760	GEN-4V	corticotropin releasing factor	837	652G>A	3
V00571	V00571	122560	GEN-CBO	corticotropin releasing factor	50	(-7)C>T	5
V00571	V00571	122560	GEN-CBO	Human heparin-binding			
VEGF	M32977	192240	GEN-2JF				

VEGF	M32977	192240	GEN-2JF	Human vascular endothelial growth factor (VEGF) mRNA, complete cds	92	36C>T	S
VLDLR	L20470	192977	GEN-23D	Human very low density lipoprotein receptor mRNA, complete cds	336	(-56)C>T	5
VLDLR	L20470	192977	GEN-23D	Human lipoprotein receptor mRNA, complete cds	3566	3175T>C	3
X00264	X00264	152780	GEN-CC2	Human beta-LH gene (luteinizing hormone gene beta subunit)	1015	1016G>C	3
X00264	X00264	152780	GEN-CC2	Human beta-LH gene (luteinizing hormone gene beta subunit)	1033	1034C>A	3
X00568	X00568	207750	GEN-6Z	Apolipoprotein C-III	70	70C>A	Q24K
X02317	X02317	147450	GEN-KM	Superoxide dismutase 1 (Cu/Zn)	614	550A>C	3
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	870	29C>T	P10L
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	979	138C>G	I46M
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1632	791C>T	T264I
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1807	966C>T	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1930	1089G>A	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1942	1101C>T	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	2013	1172G>A	S391N

X03172	X03172	192340	GEN-ZM	transforming growth factor-beta (TGF-beta) Human mRNA for vasopressin precursor	379	356T>G	V119G
X03635	X03635	133430	GEN-50	estrogen receptors	390	307>C	S
X03635	X03635	133430	GEN-50	estrogen receptors	390	307>C	S
X03635	X03635	133430	GEN-50	estrogen receptors	424	64G>C	E22Q
X03635	X03635	133430	GEN-50	estrogen receptors	617	257C>T	A86V
X03635	X03635	133430	GEN-50	estrogen receptors	621	261G>C	S
X03635	X03635	133430	GEN-50	estrogen receptors	829	469C>T	F
X03635	X03635	133430	GEN-50	estrogen receptors	1335	975C>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	1335	975C>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	1451	1091T>A	V364E
X03635	X03635	133430	GEN-50	estrogen receptors	1674	1314G>A	M438I
X03635	X03635	133430	GEN-50	estrogen receptors	2142	1782A>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	2354	1994A>G	3
X03635	X03635	133430	GEN-50	estrogen receptors	2550	2190A>C	3
X03635	X03635	133430	GEN-50	estrogen receptors	2733	2373C>G	3
X03635	X03635	133430	GEN-50	estrogen receptors	3181	2821T>C	3
X03635	X03635	133430	GEN-50	estrogen receptors	3338	2978C>T	3
X03635	X03635	133430	GEN-50	estrogen receptors	3652	3292- 3294CC>CC	3
X03635	X03635	133430	GEN-50	estrogen receptors	3652	3292- T	3
X03635	X03635	133430	GEN-50	estrogen receptors	3896	3294delCCT	
X03635	X03635	133430	GEN-50	estrogen receptors	4378	3536C>A	3
X03635	X03635	133430	GEN-50	estrogen receptors	6287	4018T>C	3
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity	363	5927T>C	3
X04409	X04409	139320	GEN-7Q	polypeptide 1	351C>T	S	
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity	525	513C>T	S
X04409	X04409	139320	GEN-7Q	polypeptide 1	955C>A	R319S	

X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	1023	1011C>A	S
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	1083	1071C>T	S
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	1213	1201T>G	3
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	1450	1438A>C	3
X04707	X04707	190160	GEN-CCA	Human c-erb-A mRNA for thyroid hormone receptor	1295	995T>C	I332T
X05199	X05199	173350	GEN-PU	Human mRNA for plasminogen	384	330C>T	S
X05199	X05199	173350	GEN-PU	Human mRNA for plasminogen	825	771C>T	S
X05199	X05199	173350	GEN-PU	Human mRNA for plasminogen	996	942C>T	S
X05199	X05199	173350	GEN-PU	Human mRNA for plasminogen	1137	1083A>G	S
X05199	X05199	173350	GEN-PU	Human mRNA for plasminogen	1485	1431C>T	S
X05199	X05199	173350	GEN-PU	Human mRNA for plasminogen	2340	2286T>G	S
X05199	X05199	173350	GEN-PU	Human mRNA for plasminogen	2532	2478G>A	3
X05199	X05199	173350	GEN-PU	Human mRNA for plasminogen	2606	2552T>G	3
X05344	X05344	116840	GEN-PW	Human mRNA for cathepsin D from oestrogen responsive breast cancer cells	1583	1581C>G	3
X05344	X05344	116840	GEN-PW	Human mRNA for	1703	1701C>T	3

X05344	X05344	116840	GEN-PW	cathepsin D from oestrogen responsive breast cancer cells	1754	1752G>A	3
				Human mRNA for cathepsin D from oestrogen responsive breast cancer cells	1798	1796A>C	3
X05344	X05344	116840	GEN-PW	cathepsin D from oestrogen responsive breast cancer cells	1837	1835A>C	3
				Human mRNA for cathepsin D from oestrogen responsive breast cancer cells	1901	1899C>T	3
X05344	X05344	116840	GEN-PW	cathepsin D from oestrogen responsive breast cancer cells	1975	1973T>G	3
				Human mRNA for cathepsin D from oestrogen responsive breast cancer cells	5945	5904G>A	S
X05615	X05615	188450	GEN-188	Human mRNA for thyroglobulin	7627	7586G>A	R2529Q
X05615	X05615	188450	GEN-188	Human mRNA for thyroglobulin	7704	7663G>T	V2555F
X05615	X05615	188450	GEN-188	Human mRNA for thyroglobulin	7958	7917C>T	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	83	(-54)G>C	5
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	940	804G>A	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	1327	1191T>C	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	1906	1770C>T	S
X06562	X06562	600946	GEN-6D	Growth hormone receptor	3392	3349A>T	3
X06562	X06562	600946	GEN-6D	Growth hormone receptor	4145	4102G>A	3
X07549	X07549	116820	GEN-1DZ	Human mRNA for cathepsin H	276	244T>C	3

X07549	X07549 116820	GEN-1DZ	Human mRNA for cathepsin H (E.C.3.4.22.16.)	664	632G>A	3
X07549	X07549 116820	GEN-1DZ	Human mRNA for cathepsin H (E.C.3.4.22.16.)	1006	974G>A	3
X07549	X07549 116820	GEN-1DZ	Human mRNA for cathepsin H (E.C.3.4.22.16.)	1029	997G>A	3
X13589	X13589 107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	364	240A>G	S
X13589	X13589 107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	914	790C>T	R264C
X13589	X13589 107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	914	790C>T	R264C
X13589	X13589 107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1655	1531C>T	3
X13589	X13589 107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1796	1672G>T	3
X13629	X13629 107690	GEN-100	Human intestinal mRNA for apolipoprotein A-IV	881	836G>A	R279K
X13629	X13629 107690	GEN-100	Human intestinal mRNA for apolipoprotein A-IV	1185	1140G>T	Q380H
X13629	X13629 107690	GEN-100	Human intestinal mRNA for apolipoprotein A-IV	1302	1257~1258insCTGT	F
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	1636	1170T>C	S
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	1675	1209C>T	S
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	2805	2339C>T	T780I

X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	3853	3387T>C	S
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	6443	5977C>T	R1993W
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	7036	6570C>T	S
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	8608	8142G>A	S
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	8923	8457C>T	S
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9034	8568G>T	S
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9040	8574C>T	S
X13916	X13916 107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9391	8925T>C	S
X15357	X15357 108960	KUV	natriuretic peptide receptor (ANP-A receptor)	1066	1023G>C	M341I
X15357	X15357 108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	1657	1614C>T	S
X15357	X15357 108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	2859	2816G>A	R939Q
X15357	X15357 108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	2983	2940G>A	S
X15357	X15357 108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	3259	3216delC	F
X15357	X15357 108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	3589	3546^3547insGAAA	F
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	588	423G>A	S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	1104	939C>T	S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	1122	957T>C	S
X51362	X51362 126450	GEN-	Dopamine Receptor D2	1248	1083A>G	S

X51362	X51362	126450	31W	Dopamine Receptor D2	1488	1323T>C	S
X51362	X51362	126450	31W	Dopamine Receptor D2	1548	1383A>G	3
X51362	X51362	126450	31W	Dopamine Receptor D2	2361	2196C>T	3
X51416	X51416	601998	GEN-31W	STEROID HORMONE RECEPTOR ERR1	2285	2222G>A	3
X52773	X52773	180245	GEN-74	Retinoid X receptor, alpha	1744	1669G>A	3
X55005	X55005	190120	GEN-35S	Human c-erbA-1 mRNA for thyroid hormone receptor alpha	493	27A>G	S
X55005	X55005	190120	GEN-35S	Human c-erbA-1 mRNA for thyroid hormone receptor alpha	1523	1057G>A	V353I
X59498	X59498	176300	GEN-RU	H.sapiens ltr mRNA for thyroid hormone receptor alpha	92	71G>A	G24D
X59498	X59498	176300	GEN-RU	H.sapiens ltr mRNA for transthyretin	177	156G>T	S
X59498	X59498	176300	GEN-RU	H.sapiens ltr mRNA for transthyretin	380	359C>T	S120F
X59842	X59842	600214	GEN-3A3	Human PBX2 mRNA	2339	2043T>G	3
X63359	X63359	600070	GEN-3DC	H.sapiens UGT2B10 mRNA for UDP glucuronosyltransferase	1516	1506C>T	S
X63359	X63359	600070	GEN-3DC	H.sapiens UGT2B10 mRNA for UDP glucuronosyltransferase	2714	2704G>A	3
X63522	X63522	180246	GEN-75	MHC class I promoter binding protein	1331	1152T>C	S
X68596	X68596	168468	GEN-3IJ	H.sapiens mRNA for parathyroid hormone receptor	1563	1389T>C	S
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	112	21T>C	S
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	292	201C>T	S
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1436	1345T>C	3

X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1579	1488T>C	3
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1621	1530C>T	3
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1719	1628A>C	3
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1904	1813G>C	3
X69699	X69699	167415	GEN-3JS	H.sapiens Pax8 mRNA	1412	1413G>C	3
X69699	X69699	167415	GEN-3JS	H.sapiens Pax8 mRNA	2164	2165T>G	3
X69699	X69699	167415	GEN-3JS	H.sapiens Pax8 mRNA	2508	2509T>C	3
X69699	X69699	167415	GEN-3JS	H.sapiens Pax8 mRNA	2514	2515A>C	3
X69699	X69699	167415	GEN-3JS	H.sapiens Pax8 mRNA	2552	2553A>C	3
X70811	X70811	109691	GEN-3KK	beta-3-adrenergic receptor	315	190T>C	W64R
X70811	X70811	109691	GEN-3KK	beta-3-adrenergic receptor	315	190T>C	W64R
X71440	X71440	None	GEN-3KS	H.sapiens mRNA for peroxisomal acyl-CoA oxidase	949	936G>C	M312I
X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	30	(-68)C>G	5
X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	2010	1913A>G	3
X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	2101	2004C>T	3
X76180	X76180	600228	GEN-N5	Solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na ⁺ /H ⁺ , amiloride sensitive)	1901	1802G>A	G601D
X77383	X77383	600550	GEN-3PT	H.sapiens mRNA for cathepsin-O	1595	1546C>T	3
X77533	X77533	602730	GEN-3Q3	H.sapiens mRNA for activin type II receptor	1462	1458C>T	S
X78873	X78873	601792	GEN-	H.sapiens mRNA for	538	535G>A	D179N

X78873	X78873	601792	3RQ	inhibitor 2 gene	H.sapiens mRNA for	812	809G>A	3
X79483	X79483	602399	GEN-3RQ	inhibitor 2 gene	H.sapiens mRNA for	1287	1254T>G	3
X79537	X79537	603942	GEN-3TA	regulated kinase	H.sapiens mRNA for	635	552G>A	S
X79537	X79537	603942	GEN-3TA	glycogenin	H.sapiens mRNA for	1381	1298A>G	3
X83368	X83368	601232	GEN-3XT	glycogenin	H.sapiens mRNA for	3884	3561C>T	3
X87212	X87212	602365	GEN-42U	phosphatidylinositol 3	kinase gamma	318	285G>T	S
X87212	X87212	602365	GEN-42U	H.sapiens mRNA for	870	837G>C	Q279H	
X87212	X87212	602365	GEN-42U	cathepsin C	H.sapiens mRNA for	1390	1357A>G	I453V
X87212	X87212	602365	GEN-42U	cathepsin C	H.sapiens mRNA for	1758	1725A>C	3
X92521	X92521	601807	GEN-480	cathepsin C	H.sapiens mRNA for MMP-19	1722	1621T>G	3
X92720	X92720	261650	GEN-484	H.sapiens mRNA for	1494	1428A>C	R476S	
X95190	X95190	601641	GEN-49Y	phosphoenolpyruvate				
X95190	X95190	601641	GEN-49Y	carboxykinase	H.sapiens mRNA for	1394	1302C>T	S
Y00285	Y00285	147280	GEN-6I	Branched chain Acyl-CoA				
Y00285	Y00285	147280	GEN-6I	Oxidase	H.sapiens mRNA for	1934	1842C>A	S
Y00285	Y00285	147280	GEN-6I	Branched chain Acyl-CoA				
Y00285	Y00285	147280	GEN-6I	Oxidase	H.sapiens mRNA for	1934	1842C>A	S
Y00406	Y00406	274500	GEN-6J	IGF-2 receptor	IGF-2 receptor	4613	4466G>A	S1489N
Y00406	Y00406	274500	GEN-6J	IGF-2 receptor	IGF-2 receptor	6371	6224C>T	T2075M
Y00406	Y00406	274500	GEN-6J	IGF-2 receptor	IGF-2 receptor	6813	6666C>T	S
Y00406	Y00406	274500	GEN-6J	IGF-2 receptor	IGF-2 receptor	7150	7003G>A	V2335M
Y00406	Y00406	274500	GEN-6J	Peroxidase (thyroid)	Peroxidase (thyroid)	8685	8538C>A	3
Y00406	Y00406	274500	GEN-6J	Peroxidase (thyroid)	Peroxidase (thyroid)	2185	2145T>C	S
Y00406	Y00406	274500	GEN-6J	Peroxidase (thyroid)	Peroxidase (thyroid)	2213	2173C>A	P725T
Y00406	Y00406	274500	GEN-6J	Peroxidase (thyroid)	Peroxidase (thyroid)	2580	2540C>T	A847V

Y00406	Y00406	274500	GEN-6J	Peroxidase (thyroid)	2923	2883C>G	3
			GEN-P7	Endothelin 1	846	594G>T	K198N
Y00749	Y00749	131240	GEN-1FK	H.sapiens mRNA for mosaic protein LR11	3641	3561T>G	S
Y08110	Y08110	602005	GEN-1FK	H.sapiens mRNA for mosaic protein LR11	3818	3738C>T	S
Y08110	Y08110	602005	GEN-1FK	H.sapiens mRNA for mosaic protein LR11	5158	5078G>A	S1693N
Y08110	Y08110	602005	GEN-1FK	H.sapiens mRNA for mosaic protein LR11	6571	6491G>A	R2164K
Y10055	Y10055	602839	GEN-1IC	H.sapiens mRNA for phosphoinositide 3-kinase	954	758G>A	S253N
Y10055	Y10055	602839	GEN-1IC	H.sapiens mRNA for phosphoinositide 3-kinase	2491	2295C>T	S
Y10055	Y10055	602839	GEN-1IC	H.sapiens mRNA for phosphoinositide 3-kinase	3004	2808C>T	S
Y11525	Y11525	116897	GEN-1KR	H.sapiens mRNA for CCAAT/enhancer binding protein alpha	922	773C>T	A258V
Y11525	Y11525	116897	GEN-1KR	H.sapiens mRNA for CCAAT/enhancer binding protein alpha	1007	858G>A	S
Y11525	Y11525	116897	GEN-1KR	H.sapiens mRNA for CCAAT/enhancer binding protein alpha	1441	1292G>A	3
Y11525	Y11525	116897	GEN-1KR	H.sapiens mRNA for CCAAT/enhancer binding protein alpha	2327	2178T>C	3
Y15409	Y15409	602671	GEN-1U1	Homo sapiens mRNA for putative glucose 6- phosphate translocase	1393	1224G>A	S
Y15409	Y15409	602671	GEN-1U1	Homo sapiens mRNA for putative glucose 6- phosphate translocase	1584	1415C>G	3
Y15409	Y15409	602671	GEN-1U1	Homo sapiens mRNA for putative glucose 6- phosphate translocase	1877	1708C>T	3
Y15521	Y15521	None	GEN-MEN	Homo sapiens ASMTL gene	1622	1622A>G	K541R
Z11695	Z11695	176948	GEN-1L1	H.sapiens 40 kDa protein kinase related to rat ERK2	1287	1153G>A	3

Z11696	Z11696	601795	GEN-1L0	H.sapiens 44kDa protein kinase related to rat ERK1	449	449T>G	I150S
Z82022	Z82022	191350	GEN-3WH	H.sapiens mRNA for GlcNac-1-P transferase	1256	1153A>G	I385V
Z82022	Z82022	191350	GEN-3WH	H.sapiens mRNA for GlcNac-1-P transferase	1491	1388G>A	3
Z82022	Z82022	191350	GEN-3WH	H.sapiens mRNA for GlcNac-1-P transferase	1723	1620T>C	3

Table 17.
Identified
Variances
In Genes
for
Pathways
Identified
in
Endocrine
and
Metabolic
Disease
and
Related
Disorders

AB00026	AB00026	602784	GEN-16N	Human mRNA for prepro cortistatin like peptide, complete cds	215	210T>C	S
AB00102	AB00102	180903	GEN-18S	Homo sapiens mRNA for brain ryanodine receptor, complete cds	14689	14603T>G	3
AB00102	AB00102	180903	GEN-18S	Homo sapiens mRNA for brain ryanodine receptor, complete cds	15521	15435G>A	3
AB00132	AB00132	600170	GEN-KYP	Human AQP3 gene for aquaporine 3 (water channel), partial cds	1203	1143G>A	3
AB00528	AB00528	300135	GEN-KVU	Homo sapiens mRNA for ABC transporter 7 protein, complete cds	2137	2069A>T	H690L
AB00529	AB00529	170290	GEN-W4	Homo sapiens mRNA for	2197	2073A>T	3

3	3	3	perilipin, complete cds		
AB00942	AB00942	600130	Homo sapiens gene for 1016 apoBec-1	534C>T	S
6	6	GEN-MDN	Homo sapiens mRNA for 1071	1010T>A	3
AB01071	AB01071	602601	lectin-like oxidized LDL receptor, complete cds		
0	0	GEN-1SQ	Homo sapiens mRNA for 1073	1012T>C	3
AB01071	AB01071	602601	lectin-like oxidized LDL receptor, complete cds		
0	0	GEN-1SQ	Homo sapiens mRNA for 1073	1012T>C	3
AB01071	AB01071	602601	lectin-like oxidized LDL receptor, complete cds		
0	0	GEN-1SQ	Homo sapiens mRNA for 1801	1740A>G	3
AB01071	AB01071	602601	lectin-like oxidized LDL receptor, complete cds		
0	0	GEN-1SQ	Homo sapiens mRNA for 2199	2138G>A	3
AB02068	AB02068	None	lectin-like oxidized LDL receptor, complete cds		
0	0	GEN-LAX	Homo sapiens mRNA for 3854 KIAA0873 protein, partial cds	3854A>G	3
AF000234	AF000234	600846	GEN-16J PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	365C>T	P122L
AF000234	AF000234	600846	GEN-16J PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	381G>A	S
AF000234	AF000234	600846	GEN-16J PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	624A>G	S
AF000234	AF000234	600846	PURINERGIC RECEPTOR 641 P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	641C>T	P214L
AF000234	AF000234	600846	PURINERGIC RECEPTOR 1161 P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	1161T>C	3
AF000571	AF000571	192500	GEN-15U K+ channel (KvLQT1) 545	435C>T	S
AF000571	AF000571	192500	K+ channel (KvLQT1) 1748	1638G>A	S
AF000571	AF000571	192500	K+ channel (KvLQT1) 2360	2250G>A	3

AF000571	AF000571	192500	15U	GEN-15U	K+ channel (KvLQT1) 2552	2442C>T	3
AF000571	AF000571	192500	15U	GEN-15U	K+ channel (KvLQT1) 3016	2906A>G	3
AF000571	AF000571	192500	15U	GEN-15U	K+ channel (KvLQT1) 3073	2963A>G	3
AF001174	AF001174	602898	18T	GEN-18T	Homo sapiens p38beta2 1044	1038T>C	S
AF004709	AF004709	602899	GEN-U/X	MAP kinase mRNA, complete cds			
AF005043	AF005043	603501	GEN-V/X	Homo sapiens stress-activated protein kinase 4 mRNA, complete cds	384G>A	S	
AF005043	AF005043	603501	GEN-V/X	Homo sapiens poly(ADP-ribose) glycohydrolase (hPARG) mRNA, complete cds	1750G>A	A584T	
AF009620	AF009620	601763	GEN-1HV	Homo sapiens poly(ADP-ribose) glycohydrolase (hPARG) mRNA, complete cds	3614C>G	3	
AF016709	AF016709	602836	1NE	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds	808C>G	H270D	
AF016709	AF016709	602836	1NE	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds	915G>A	S	
AF016709	AF016709	602836	1NE	PURINERGIC RECEPTOR 1023 CHANNEL 5; P2RX5	987T>C	S	
AF016709	AF016709	602836	1NE	PURINERGIC RECEPTOR 1025 CHANNEL 5; P2RX5	989T>C	F330S	
AF016709	AF016709	602836	1NE	PURINERGIC RECEPTOR 1090 CHANNEL 5; P2RX5	1054G>C	E352Q	
AF016709	AF016709	602836	1NE	PURINERGIC RECEPTOR 1321 CHANNEL 5; P2RX5	1285G>A	3	

AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR 1424 P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1388C>G	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR 1512 P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1476G>A	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR 1743 P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1707A>G	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR 1858 P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1822A>G	3
AF021792	AF021792	603167	GEN-2A5	Homo sapiens Bcl-X/Bcl-2 781 binding protein (BAD) mRNA, partial cds	781G>A	3
AF021792	AF021792	603167	GEN-2A5	Homo sapiens Bcl-X/Bcl-2 883 binding protein (BAD) mRNA, partial cds	883C>A	3
HRH1	AF026261	600167	GEN-26W	Histamine receptor H1 1068 mRNA, partial cds	1068A>G	S
AVPR1B	AF030512	600264	GEN-4FF	Homo sapiens small cell 273 vasopressin subtype 1b receptor mRNA, complete cds	150G>A	S
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor 314 mRNA, complete cds	291C>T	S
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor 431 mRNA, complete cds	408T>C	S
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor 506 Homo sapiens integrin 527 alpha-7 mRNA, complete cds	483A>G	S
ITGA7	AF032108	600536	GEN-2NO	Homo sapiens integrin 527 alpha-7 mRNA, complete cds	366G>A	S
AF033850	AF033850	602384	GEN-2OB	phospholipase D2 (PLD2) mRNA, complete cds	634C>T	R212C
AF033850	AF033850	602384	GEN-2OB	phospholipase D2 (PLD2) mRNA, complete cds	2370G>A	S
AF033850	AF033850	602384	GEN-2OB	phospholipase D2 (PLD2) mRNA, complete cds	3129C>T	3
AF037335	AF037335	603263	GEN-2KJ	Homo sapiens carbonic anhydrase precursor (CA mRNA, complete cds	1436G>T	3

AF037335	AF037335	603263	GEN-2KJ	12) mRNA, complete cds Homo sapiens carbonic anhydrase precursor (CA 12) mRNA, complete cds	2442	2327C>T	3
AF038955	AF038955	600874	GEN-LEI	Homo sapiens G protein gamma 5 subunit mRNA, complete cds	490	453A>T	3
AF041381	AF041381	602944	GEN-LG1	Homo sapiens putative transcriptional repressor E2F-6 mRNA, partial cds	1214	1214C>T	3
AF052692	AF052692	603324	GEN-MKO	Homo sapiens connexin 31 (GJB3) mRNA, complete cds	2302	1169A>G	3
AF052692	AF052692	603324	GEN-MKO	Homo sapiens connexin 31 (GJB3) mRNA, complete cds	2438	1305T>C	3
AF052692	AF052692	603324	GEN-MKO	Homo sapiens connexin 31 (GJB3) mRNA, complete cds	2504	1371G>C	3
AF058921	AF058921	None	GEN-LJY	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	1972	1663G>A	3
AF058921	AF058921	None	GEN-LJY	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	1989	1680A>T	3
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	1695	1647C>T	S
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4037	3989C>T	A1330V
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4683	4635C>A	S
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4802	4754C>T	S1585L

AF084040	AF084040	107940	GEN-LQ9	Homo sapiens beta-arrestin 1A mRNA, complete cds	986	986A>T	E329V
AF084040	AF084040	107940	GEN-LQ9	Homo sapiens beta-arrestin 1A mRNA, complete cds	1279	1279G>A	3
AJ005162	AJ005162	600067	GEN-KV7	Homo sapiens mRNA for UDP-glucuronyltransferase	1915	1882A>C	3
AJ224538	AJ224538	602741	GEN-243	Homo sapiens mRNA for AMP-activated protein kinase beta 2 subunit	631	631C>T	H211Y
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	149	100G>A	D34N
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	341	292G>T	V98L
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	479	430A>T	N144Y
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	1288	1239G>A	3
ATP1A1	D00099	182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	1059	741A>C	S
ATP1A1	D00099	182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	1059	741A>C	S
ATP1A1	D00099	182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	1428	1110G>A	S
ATP1A1	D00099	182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	2538	2220T>C	S
ATP1A1	D00099	182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	3324	3000G>T	S
ATP1A1	D00099	182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	3375	3057G>A	S
ATP1A1	D00099	182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	3397	3079G>A	3
ATP1A1	D00099	182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	3408	3090C>A	3

ATP1A1	D00099 182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	3505	3187C>A	3
ATP1A1	D00099 182310	GEN-4E8	Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds	3538	3220G>T	3
FECH	D00726 177000	GEN-UB	Human mRNA for ferrochelatase (EC 4.99.1.1)	827	798G>C	S
FECH	D00726 177000	GEN-UB	Human mRNA for ferrochelatase (EC 4.99.1.1)	1253	1224T>A	N408K
FECH	D00726 177000	GEN-UB	Human mRNA for ferrochelatase (EC 4.99.1.1)	1549	1520C>T	3
FECH	D00726 177000	GEN-UB	Human mRNA for ferrochelatase (EC 4.99.1.1)	1645	1616G>A	3
D13138	D13138 179780	GEN-1NW	Human mRNA for dipeptidase	586	523T>G	S175A
CYP11B2	D13752 124080	GEN-CCD	Human CYP11B2 gene for steroid 18-hydroxylase, complete cds	1600	1593G>A	3
D14874	D14874 103275	GEN-1SG	adrenomedullin, complete cds	1293	1137A>G	3
D14874	D14874 103275	GEN-1SG	adrenomedullin, complete cds	1394	1238A>C	3
HADHB	D16481 143450	GEN-1Y5	mitochondrial 3-ketacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	871	825T>C	S
HADHB	D16481 143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	1607	1561G>C	3
HADHB	D16481 143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketacyl-	1908	1862A>C	3

HADHB	D16481 143450	GEN-1Y5	CoA thiolase beta-subunit of trifunctional protein, complete cds	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	1865A>C	3
D21243	D21243 141251	GEN-9C	Heme oxygenase 828 (decyclizing) 2	828C>G	S	
D25235	D25235 104221	GEN-3	Adrenergic receptor alpha 1035 1c	599T>G	I200S	
D25235	D25235 104221	GEN-3	Adrenergic receptor alpha 1475 1c	1039C>T	R347C	
D25235	D25235 104221	GEN-3	Adrenergic receptor alpha 1475 1c	1039C>T	R347C	
D25235	D25235 104221	GEN-3	Adrenergic receptor alpha 2048 1c	1612C>T	3	
D25418	D25418 600022	GEN-78	Prostaglandin l2 726 (prostacyclin) receptor (IP)	635G>A	R212H	
D25418	D25418 600022	GEN-78	Prostaglandin l2 1047 (prostacyclin) receptor (IP)	956C>G	S319W	
D25418	D25418 600022	GEN-78	Prostaglandin l2 1075 (prostacyclin) receptor (IP)	984A>C	S	
PTGIR	D38128 600022	GEN-4DH	Human IP gene for 203 prostacyclin receptor, exon 3	204C>G	3	
PTGIR	D38128 600022	GEN-4DH	Human IP gene for 231 prostacyclin receptor, exon 3	232C>A	3	
D38145	D38145 601699	GEN-4E3	Human mRNA for 1646 prostacyclin synthase, complete cds	1619T>C	3	
D42108	D42108 600597	GEN-2U4	Phospholipase C epsilon 1908	1705G>A	V569I	
D42108	D42108 600597	GEN-2U4	Phospholipase C epsilon 2864	2661G>A	S	
D42108	D42108 600597	GEN-2U4	Phospholipase C epsilon 4453	4250G>A	3	
D45906	D45906 601988	GEN-2WP	Human mRNA for LIMK-2, 1323 complete cds	1209G>C	S	

D45906	D45906	601988	GEN-2WP	Human mRNA for LIMK-2, complete cds	1475	1361C>T	S454L
D49394	D49394	182139	GEN-5	Serotonin 5-HT receptors	1914	1695C>G	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3378	3276G>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3755	3653G>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3949	3847G>C	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	4368	4266T>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	4455	4353G>A	3
D67031	D67031	601568	GEN-3HA	Homo sapiens ADDL mRNA for adducin-like protein, complete cds	1441	1258G>A	V420M
D67031	D67031	601568	GEN-3HA	Homo sapiens ADDL mRNA for adducin-like protein, complete cds	2782	2599T>C	3
D87258	D87258	602194	GEN-42R	Homo sapiens mRNA for IgG-binding motif, complete cds	150	102C>T	S
D87461	D87461	601931	GEN-43N	Human mRNA for KIAA0271 gene, complete cds	2432	2256C>A	3
D87812	D87812	600528	GEN-6	Carnitine Palmitoyltransferase I (muscle)	2363	2344T>C	3
D87845	D87845	602344	GEN-44C	Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds	2299	2096G>A	3
D87845	D87845	602344	GEN-44C	Human mRNA for platelet-activating factor acetylhydrolase 2,	2332	2129A>G	3

			complete cds		
D89078	D89078 601531	GEN-7	P2Y7 purinceptor 434	(-1284)A>T	5
D89078	D89078 601531	GEN-7	P2Y7 purinceptor 889	(-829)G>C	5
D89078	D89078 601531	GEN-7	P2Y7 purinceptor 1156	(-562)G>C	5
D89078	D89078 601531	GEN-7	P2Y7 purinceptor 2644	927T>C	5
D89078	D89078 601531	GEN-7	P2Y7 purinceptor 2920	1203A>G	3
LRP1	D90070 107770	GEN-466	Human ATL-derived PMA- responsive (APR) peptide mRNA	513T>G	3
D90187	D90187 153622	GEN-6M	Macrophage scavenger 1414	1368T>G	3
D90187	D90187 153622	GEN-6M	Macrophage scavenger receptor 1 1532	1486A>G	3
D90187	D90187 153622	GEN-6M	Macrophage scavenger receptor 1 1558	1512G>A	3
D90187	D90187 153622	GEN-6M	Macrophage scavenger receptor 1 1599	1553A>G	3
D90187	D90187 153622	GEN-6M	Macrophage scavenger receptor 1 1642	1596T>C	3
D90187	D90187 153622	GEN-6M	Macrophage scavenger receptor 1 1689	1643G>C	3
D90228	D90228 203750	GEN- 46A	receptor 1 ACAT 1 547	471C>A	S
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 1449 A	969C>T	S
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 1449 A	969C>T	S
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 1485 A	1005A>G	S
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 1485 A	1005A>G	S
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 1834 A	1354C>G	3
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 1834 A	1354C>G	3
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 2228 A	1748G>A	3
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 2376 A	1896G>A	3
EDNRA	D90348 131243	GEN- 4DX	Endothelin Receptor Type 2764	2284G>A	3

EDNRA	D90348	131243	4DX	GEN-A	Endothelin Receptor Type A	2764	2284G>A	3
EDNRA	D90348	131243	GEN-4DX	GEN-A	Endothelin Receptor Type A	2840	2360G>C	3
EDNRA	D90348	131243	GEN-4DX	GEN-A	Endothelin Receptor Type A	2935	2455G>A	3
EDNRA	D90348	131243	GEN-4DX	GEN-A	Endothelin Receptor Type A	3294	2814A>G	3
FGA	J00127	134820	GEN-T3	Human fibrinogen alpha-chain mRNA, complete cds	560	530T>A	I177N	
FGA	J00127	134820	GEN-T3	Human fibrinogen alpha-chain mRNA, complete cds	1138	1108G>T	A370S	
J00129	J00129	134830	GEN-T4	Human fibrinogen beta-chain mRNA, partial cds	543	543C>T	S	
J00129	J00129	134830	GEN-T4	Human fibrinogen beta-chain mRNA, partial cds	1101	1101C>T	S	
J00129	J00129	134830	GEN-T4	Human fibrinogen beta-chain mRNA, partial cds	1409	1409G>A	R470K	
J00137	J00137 · 306900	GEN-OX	COAGULATION FACTOR IX	COAGULATION FACTOR IX	581	580A>G	T194A	
J00277	J00277	190020	GEN-MH8	Human (genomic clones 81 lambda-[SK2-T2, HS5787]; cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene, complete coding sequence	81	81T>C	S	
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	1931	1853T>C	\618A	
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	6616	6838C>T	F	
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	7014	6936T>C	S	
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	7623	7545T>C	S	
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	8294	8216C>T	P2739L	
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	8625	8547T>C	S	
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	10033	9955G>C	D3319H	
J02610	J02610	107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	10358	10280C>A	T3427K	

J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	10372	10294C>G	Q3432E
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	11273	11195T>C	I3732T
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	11705	11627C>T	A3876V
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	11862	11784T>A	S
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	11923	11845T>C	F3949L
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	12461	12383A>T	E4128V
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	12476	12398G>C	G4133A
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	12486	12408G>C	S
J02610	J02610 107730	GEN-6N	Apolipoprotein B (including Ag(x) antigen)	12619	12541G>A	E4181K
J02611	J02611 107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	676	615T>G	3
J02611	J02611 107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	683	622T>G	3
J02611	J02611 107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	701	640C>G	3
J02611	J02611 107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	745	684A>G	3
J03004	J03004 139360	GEN-79	Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	758	681C>T	S
GNA1	J03005 139370	GEN-Z1	Human alternative guanine nucleotide-binding regulatory protein (G) alpha-inhibitory subunit (G)	1437	1429G>A	3
J03019	J03019 109630	GEN-4D6	mRNA, complete cds Human beta-1-adrenergic receptor mRNA, complete cds	503	417G>A	S
J03037	J03037 259730	GEN-21	Carbonic anhydrase II	627	562C>T	S
J03037	J03037 259730	GEN-21	Carbonic anhydrase II	1334	1269A>C	3

J03037	J03037 259730	GEN-21	Carbonic anhydrase II	1487	1422A>C	3
J03048	J03048 142290	GEN-ZD	Huma hemopexin mRNA, 3' end	244	244C>T	R82W
J03048	J03048 142290	GEN-ZD	Huma hemopexin mRNA, 3' end	635	635G>A	R212K
J03225	J03225 152310	GEN-ZZ	Human lipoprotein-associated coagulation inhibitor mRNA, complete cds	1189	1057G>A	3
J03242	J03242 147470	GEN-PJ	Insulin-like growth factor 2	932	380G>A	R127H
J03242	J03242 147470	GEN-PJ	Insulin-like growth factor 2	1063	511G>A	A171T
J03242	J03242 147470	GEN-PJ	Insulin-like growth factor 2	1190	638C>G	3
J03242	J03242 147470	GEN-PJ	Insulin-like growth factor 2	1201	649C>T	3
J03250	J03250 172420	GEN-C4	DNA topoisomerase I	160	(-52)C>T	5
J03250	J03250 172420	GEN-C4	DNA topoisomerase I	590	379G>A	V127I
J03250	J03250 172420	GEN-C4	DNA topoisomerase I	1984	1773G>A	S
J03260	J03260 139160	GEN-7A	Guanine nucleotide binding polypeptide (G protein), alpha z	1491	1479A>G	3
J03260	J03260 139160	GEN-7A	Guanine nucleotide binding polypeptide (G protein), alpha z	2541	2529T>C	3
J03459	J03459 151570	GEN-8	Leukotriene A4 hydrolase	140	72G>T	S
J03459	J03459 151570	GEN-8	Leukotriene A4 hydrolase	1511	1443A>T	E481D
C7	J03507 217070	GEN-11R	Human complement C7 protein component C7 mRNA, complete cds	1951	1951G>A	V651I
C7	J03507 217070	GEN-11R	Human complement C7 protein component C7 mRNA, complete cds	3032	3032T>C	3
C7	J03507 217070	GEN-11R	Human complement C7 protein component C7 mRNA, complete cds	3634	3634A>G	3
C7	J03507 217070	GEN-11R	protein component C7 mRNA, complete cds	3831	3831A>G	3
LIPC	J03540 151670	GEN-11J	Human hepatic lipase	469	465T>G	S
LIPC	J03540 151670	GEN-11J	Human hepatic lipase	595	591A>G	S
			mRNA, complete cds			

LIPC	J03540 151670	GEN-11J	Human hepatic lipase mRNA, complete cds	648	644G>A	S215N
LIPC	J03540 151670	GEN-11J	Human hepatic lipase mRNA, complete cds	817	813C>T	S
LIPC	J03540 151670	GEN-11J	Human hepatic lipase mRNA, complete cds	1441	1437C>A	S
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 55	21C>T	S
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 304	270G>A	S
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 304	270G>A	S
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 959	925C>A	P309T
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 1762	1728A>T	S
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 2076	2042- 2043AC>AC	3
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 2076	2043delAC	F
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 2328	2294C>T	3
J03571	J03571 152390	GEN-9	Lipoxygenase (leukocytes)	5- 2376	2342T>G	3
J03853	J03853 104250	GEN-A	Lipoxygenase (leukocytes)	1202	1164C>T	S
J03853	J03853 104250	GEN-A	Adrenergic receptor alpha 2c	1237	1199T>G	I400S
J03853	J03853 104250	GEN-A	Adrenergic receptor alpha 2c	1372	1334C>G	P445R
J03853	J03853 104250	GEN-A	Adrenergic receptor alpha 2c	1379	1341C>T	S
C1S	J04080 120580	GEN-13T	Complement precursor (C1 esterase)	558	356G>A	R119H
C1S	J04080 120580	GEN-13T	Complement C1S component precursor (C1 esterase)	2140	1938A>T	K646N
C1S	J04080 120580	GEN-13T	Complement C1S component precursor (C1 esterase)	2234	2032A>T	T678S

C1S	J04080	120580	GEN-13T	Complement C1S component precursor (C1 esterase)	2333	2131G>T	3
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	501	479A>G	N160S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	604	582C>T	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	803	781G>T	A261S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1042	1020C>T	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1535	1513-1515CCT>CC	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1535	1513-[P505Y;506-505del]1515delCCT	[6-505del]
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1797	1775A>G	D592G
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2215	2193G>A	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2350	2328A>G	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2505	2483T>C	M828T
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	3409	3387T>C	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	3409	3387T>C	S
C6	J05064	217050	GEN-16S	Human complement component C6 mRNA, complete cds	3281	3126G>A	3
J05096	J05096	182340	GEN-SL	alpha-subunit of Na ⁺ /K ⁺ ATPase isoform2	2364	2260T>G	S754A
J05096	J05096	182340	GEN-SL	alpha-subunit of Na ⁺ /K ⁺ ATPase isoform2	5295	5191G>A	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2314	2314C>T	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2316	2316G>T	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase	2332	2332G>T	3

J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2541	2541G>A	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3' end	2651	2651C>T	3
J05480	J05480	114105	GEN-D	Human carboxypeptidase N mRNA, 3' end	834	834A>G	3
M6PR	J05550	153618	GEN-180	Human mannose receptor mRNA, complete cds	4890	4787T>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH) mRNA	173	156A>G	5
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH) mRNA	913	896C>G	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH) mRNA	950	933G>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH) mRNA	1448	1431G>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH) mRNA	1972	1955T>C	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH) mRNA	1972	1955T>C	3
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	112	52G>A	A18T
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	121	61G>A	E21K
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	151	91G>A	E31K
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	197	137T>C	L46P
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	204	144delG	F
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	238	178A>G	T60A
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	365	305C>G	P102R

K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	409	349G>A	A117T
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	448	388T>C	C130R
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	494	434G>A	G145D
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	515	455G>A	R152Q
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	520	460C>A	R154S
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	538	478C>T	R160C
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	547	487C>T	R163C
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	548	488G>A	R163H
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	550	490A>G	K164E
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	586	526C>T	R176C
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	586	526C>T	R176C
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	743	683G>A	F
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	785	725G>A	R242Q
K00396	K00396 107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	796	736C>T	R246C

K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	821	761T>A	V254E
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	865	805C>G	R289G
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	935	875G>A	R292H
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	1000	940A>C	S314R
K01911	K01911	162640	GEN-20	Neuropeptide Y mRNA, complete CDS	236	150G>A	S
K01911	K01911	162640	GEN-20	Neuropeptide Y mRNA, complete CDS	290	204C>T	S
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	659	620C>T	T207M
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	842	803T>C	M268T
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1155	1116G>A	S
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1476	1437C>A	S
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1821	1782G>A	3
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	2053	2014A>C	3
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	260	280C>G	A87G
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	449	449G>C	+150S
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	887	887A>G	Y296C
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	902	902C>A	P301H
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	905	905A>G	N302S
KNG	K02566	228960	GEN-X2	Human alpha-2-thiol proteinase inhibitor mRNA, complete coding sequence	1248	1199G>A	T400K
K02765	K02765	120700	GEN-XM	Human complement 1001	941T>C	L314P	

K02765	K02765 120700	GEN-XM	component C3 mRNA, alpha and beta subunits, complete cds	Human complement 2575	2575G>A	V839I
K02765	K02765 120700	GEN-XM	component C3 mRNA, alpha and beta subunits, complete cds	Human complement 3108	3048C>T	S
K02765	K02765 120700	GEN-XM	component C3 mRNA, alpha and beta subunits, complete cds	Human complement 3561	3501C>G	S
K02765	K02765 120700	GEN-XM	component C3 mRNA, alpha and beta subunits, complete cds	Human complement 4371	4311C>T	S
K02765	K02765 120700	GEN-XM	component C3 mRNA, alpha and beta subunits, complete cds	Human complement 4544	4484C>A	P1495Q
K02765	K02765 120700	GEN-XM	component C3 mRNA, alpha and beta subunits, complete cds	Human complement 4938	4878T>C	S
K02765	K02765 120700	GEN-XM	component C3 mRNA, alpha and beta subunits, complete cds	Human complement 4956	4896T>C	S
K02770	K02770 147720	GEN-5M	Interleukin 1, beta	19	(-68)A>C	5
K02770	K02770 147720	GEN-5M	Interleukin 1, beta	26	(-61)A>C	5
K02770	K02770 147720	GEN-5M	Interleukin 1, beta	48	(-39)C>T	5
K02770	K02770 147720	GEN-5M	Interleukin 1, beta	114	28G>A	E10K
K02770	K02770 147720	GEN-5M	Interleukin 1, beta	119	33G>A	M11I
L00352	L00352 143890	GEN-2S8	Human low density	71	72C>T	3
L00352	L00352 143890	GEN-	lipoprotein receptor gene, exon 18			
L00352	L00352 143890	GEN-	Human low density	103	104G>A	3

L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 716	717C>T	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 881	882G>A	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1180	1181A>G	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1186	1187C>G	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1187	1188T>G	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1191	1192G>A	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1222	1223G>A	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1223	1224C>T	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1224	1225G>A	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1227	1228T>C	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1234	1235T>C	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1252	1253A>T	3
L00352	L00352	143890	GEN- 2S8	lipoprotein receptor gene, exon 18	Human low density 1268	1269A>C	3

L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1268	1269A>T	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1279	1280C>T	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1280	1281G>A	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1308	1309C>T	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1309	1310G>A	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1318	1317G>A	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1320	1321T>C	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1345	1346G>A	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1368	1369T>C	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1376	1377C>T	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1383	1384C>T	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1406	1407T>C	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1418	1419G>C	3
L00352	L00352 143890	GEN- 2S8	Human low density lipoprotein receptor gene, exon 18	1428	1429T>C	3

L00352	L00352 143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1453	1454C>T	3
L00352	L00352 143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	1796	1797T>C	3
L00352	L00352 143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	2108	2109G>A	3
L00352	L00352 143890	GEN-2S8	Human low density lipoprotein receptor gene, exon 18	2490	2491A>C	3
CBS	L00972 236200	GEN-UV	Human cystathione-beta-synthase (CBS) mRNA	1022	1023T>C	3
CBS	L00972 236200	GEN-UV	Human cystathione-beta-synthase (CBS) mRNA	2001	2002C>T	3
CBS	L00972 236200	GEN-UV	Human cystathione-beta-synthase (CBS) mRNA	2278	2279G>A	3
CBS	L00972 236200	GEN-UV	Human cystathione-beta-synthase (CBS) mRNA	2358	2359G>C	3
CBS	L00972 236200	GEN-UV	Human cystathione-beta-synthase (CBS) mRNA	2524	2525T>C	3
CBS	L00972 236200	GEN-UV	Human cystathione-beta-synthase (CBS) mRNA	2545	2546C>T	3
L01087	L01087 600448	GEN-CM	Protein kinase C-theta	1940	1846C>A	S
L01087	L01087 600448	GEN-CM	Protein kinase C-theta	1943	1849G>A	E617K
L05186	L05186 600758	GEN-174	Homo sapiens focal adhesion kinase mRNA, complete cds	2564	2550C>T	S
L05485	L05485 178635	GEN-MJL	Surfactant, pulmonary-associated protein D	921	918T>C	S
L05597	L05597 None	GEN-4EV	Serotonin 5-HT receptors	824	600T>C	S
L05597	L05597 None	GEN-4EV	5-HT1F	1010	786787insA	[H262Q;2623insATKF]
EDNRB	L06623 131244	GEN-19S	Endothelin Receptor Type B	88	(-146)A>G	5

EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	332	99C>T	S
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	1064	831G>A	S
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	1064	831G>A	S
EHHADH	L07077	261515	GEN-1DF	Human enoyl-CoA: 1225 hydratase 3-hydroxyacyl-CoA dehydrogenase (EHHADH) mRNA, complete cds with repeats	1218G>A	S	
EHHADH	L07077	261515	GEN-1DF	Human enoyl-CoA: 1823 hydratase 3-hydroxyacyl-CoA dehydrogenase (EHHADH) mRNA, complete cds with repeats	1816C>A	P606T	
ADD1	L07261	102680	GEN-1DJ	Human alpha adducin 1852 mRNA, partial cds including alternate exons A and B	1853C>G	3	
TGFBR3	L07594	600742	GEN-1EA	Human transforming growth factor-beta type III receptor (TGF-beta) mRNA, complete cds	3966	3618G>C	3
L07861	L07861	176977	GEN-D0	Protein kinase C, delta 445	387G>A	S	
L07861	L07861	176977	GEN-D0	Protein kinase C, delta 1835	1777G>A	V593M	
CCKBR	L08112	118445	GEN-1FL	Cholecystokinin (CCKb) 456	456G>A	S	
FACL1	L09229	152425	GEN-1Gi	Human long-chain acyl-coenzyme A synthetase (FACL1) mRNA, complete cds	3026	2953G>A	3
FACL1	L09229	152425	GEN-1Gi	Human long-chain acyl-coenzyme A synthetase (FACL1) mRNA, complete cds	3083	3010G>A	3
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	191	153C>T	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	200	162G>A	S

L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	230	192T>C	S
L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	242	204G>A	S
L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	295	257C>T	A86V
L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	330	292G>A	D98N
L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	338	300G>A	S
L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	638	600C>G	S
L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	676	638A>G	H213R
L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	940	902G>A	3
L10819	L10819 171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	1011	973T>C	3
C4BPPB	L11244 120831	GEN-1K2	Human (clone A12) C4b-binding protein beta-chain mRNA, complete cds	538	204G>A	S
C4BPPB	L11244 120831	GEN-1K2	Human (clone A12) C4b-binding protein beta-chain mRNA, complete cds	796	462C>T	S
C4BPPB	L11244 120831	GEN-1K2	Human (clone A12) C4b-binding protein beta-chain mRNA, complete cds	958	624C>A	S
L11669	L11669 102680	GEN-1KW	Human tetracycline transporter-like protein mRNA, complete cds	544	424G>A	A142T
L11669	L11669 102680	GEN-	Human tetracycline mRNA, complete cds	980	860C>T	S287L

MDCR	L11669	102680	1KW	transporter-like protein mRNA, complete cds	1173G>A	S
			GEN-1KW	Human tetracycline transporter-like protein mRNA, complete cds		
MDCR	L13385	601545	GEN-106	Homo sapiens(clone 71) 1467 Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1250C>T	3
MDCR	L13385	601545	GEN-106	Homo sapiens(clone 71) 1868 Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1651C>T	3
MDCR	L13385	601545	GEN-106	Homo sapiens(clone 71) 1917 Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1700C>T	3
MDCR	L13385	601545	GEN-106	Homo sapiens(clone 71) 2962 Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	2745G>T	3
MDCR	L13385	601545	GEN-106	Homo sapiens(clone 71) 4589 Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	4372G>A	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase 1410	1411T>A	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase 1646	1647C>G	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase 1650	1651G>C	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase 1677	1678C>G	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase 2222	2223C>T	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase 2444	2445C>T	3
L13977	L13977	176785	GEN-1PX	Human 2009 prolylcarboxypeptidase mRNA, complete cds	1980T>C	3
BF	L15702	138470	GEN-1UA	Human complement factor B mRNA, complete cds	95A>G	Q32R
PRKCI	L18964	300094	GEN-21N	Human protein kinase C iota isoform (PRKCI) mRNA, complete cds	309T>G	S
L19182	L19182	602867	GEN-	Human MAC25 mRNA, 297	284G>A	R95K

L19956	L19956 600641	21Z GEN-LVE	complete cds Human aryl sulfotransferase mRNA, complete cds	243 Human aryl sulfotransferase mRNA, complete cds	105A>G	S
L19956	L19956 600641	GEN-LVE	complete cds Human aryl sulfotransferase mRNA, complete cds	284 Human aryl sulfotransferase mRNA, complete cds	146C>T	S49F
L20463	L20463 600445	GEN-M 23D	G-protein coupled adenosine A3 receptor Human very low density lipoprotein receptor mRNA, complete cds	1671 adenosine A3 receptor Human very low density lipoprotein receptor mRNA, complete cds	1380A>G	3
VLDLR	L20470 192977	GEN- 23D	Human very low density lipoprotein receptor mRNA, complete cds	336 Human very low density lipoprotein receptor mRNA, complete cds	{-56}C>T	5
VLDLR	L20470 192977	GEN- 23D	Human very low density lipoprotein receptor mRNA, complete cds	3566 Human very low density lipoprotein receptor mRNA, complete cds	3175T>C	3
L22214	L22214 102775	GEN-2S	Adenosine A1 receptor (ADORA1) Adenosine A1 receptor (ADORA1)	557 Adenosine A1 receptor (ADORA1)	147G>C	S
L22214	L22214 102775	GEN-2S	Human Bax alpha mRNA, complete cds	2622 Human Bax alpha mRNA, complete cds	2212G>A	3
L22473	L22473 600040	GEN- L9D	Human sapiens dopamine transporter mRNA, complete cds	552 Human sapiens dopamine transporter mRNA, complete cds	552G>A	S
SLC6A3	L24178 126455	GEN-283	Homo sapiens dopamine transporter mRNA, complete cds	1917 Homo sapiens dopamine transporter mRNA, complete cds	1898C>T	3
L24470	L24470 600563	GEN-O	PROSTAGLANDIN F RECEPTOR PROSTAGLANDIN F RECEPTOR	1422 PROSTAGLANDIN F RECEPTOR	1185T>C	3
L24470	L24470 600563	GEN-O	PROSTAGLANDIN F RECEPTOR PROSTAGLANDIN F RECEPTOR	1490 PROSTAGLANDIN F RECEPTOR	1253C>T	3
L24470	L24470 600563	GEN-O	PROSTAGLANDIN F RECEPTOR PROSTAGLANDIN F RECEPTOR	1517 PROSTAGLANDIN F RECEPTOR	1280A>G	3
L24470	L24470 600563	GEN-O	PROSTAGLANDIN F RECEPTOR PROSTAGLANDIN F RECEPTOR	2244 PROSTAGLANDIN F RECEPTOR	2007A>G	3
L24470	L24470 600563	GEN-O	Human phospholipid transfer protein mRNA, complete cds	2299 Human phospholipid transfer protein mRNA, complete cds	2062A>G	3
L26232	L26232 172425	GEN- 2AK	Human phospholipid transfer protein mRNA, complete cds	906 Human phospholipid transfer protein mRNA, complete cds	819C>T	S
L26232	L26232 172425	GEN- 2AK	Human phospholipid transfer protein mRNA, complete cds	1547 Human phospholipid transfer protein mRNA, complete cds	1460C>A	T487K
L27624	L27624 600033	GEN- Homo sapiens tissue factor	213	175C>G	Q59E	

L27624	L27624	600033	2C8	pathway inhibitor-2 mRNA, complete cds	219C>A	S
L27624	L27624	600033	GEN-2C8	Homo sapiens tissue factor complete cds	257	
L27624	L27624	600033	GEN-2C8	Homo sapiens tissue factor complete cds	295	257G>T C86F
L27624	L27624	600033	GEN-2C8	Homo sapiens tissue factor complete cds	434	396G>A S
L27624	L27624	600033	GEN-2C8	Homo sapiens tissue factor complete cds	436	398A>T N133I
L27624	L27624	600033	GEN-2C8	Homo sapiens tissue factor complete cds	801	763G>A 3
L27624	L27624	600033	GEN-2C8	Homo sapiens tissue factor complete cds	885	847C>A 3
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 complete cds	547	159C>T S
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	611	223G>A V75M
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	1725	1337A>G Q446R
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	171	171C>T S
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	534	534C>T S
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	549	549G>A S
L34357	L34357	600576	GEN-KV3	Homo sapiens GATA-4 mRNA, complete cds	1996	1756T>C 3
L34357	L34357	600576	GEN-KV3	Homo sapiens GATA-4 mRNA, complete cds	2133	1893C>G 3
L36566	L36566	601970	GEN-2N5	Human helodermin- preferring VIP receptor (VIP2/PACAP receptor) mRNA, complete cds	1397	1235A>G H412R
L36566	L36566	601970	GEN-	Human helodermin- mRNA, complete cds	1440	1278A>C S

		2N5	preferring VIP receptor (VIP2/PACAP receptor) mRNA, complete cds			
NRAMP2	L37347 600523	GEN-206	Human integral membrane protein (Nramp2) mRNA, partial	1083C>T	S	
L38969	L38969 None	GEN-MPS	Homo sapiens thrombospondin 3 (THBS3) gene, complete cds	2947C>T	3	
L41147	L41147 601109	GEN-2T	Serotonin 5-HT receptors 287 5-HT6	(-181)C>T	5	
L41147	L41147 601109	GEN-2T	Serotonin 5-HT receptors 1718 5-HT6	1251C>T	S	
L48513	L48513 602447	GEN-2YD	Homo sapiens paraoxonase 2 (PON2) mRNA, complete cds	443C>G	A148G	
L48513	L48513 602447	GEN-2YD	Homo sapiens paraoxonase 2 (PON2) mRNA, complete cds	581G>A	G194E	
L48513	L48513 602447	GEN-2YD	Homo sapiens paraoxonase 2 (PON2) mRNA, complete cds	932G>C	C311S	
L78207	L78207 600509	GEN-5Q	Cell surface receptor for 4019 sulfonylureas on pancreatic b cells	3981A>G	S	
M10051	M10051 147670	GEN-2V	Insulin receptor 2757	2619G>A	S	
M10051	M10051 147670	GEN-2V	Insulin receptor 4391	4253G>A	3	
M11146	M11146 134770	GEN-Q7	Human ferritin H chain mRNA, complete cds	116C>T	S39F	
M11146	M11146 134770	GEN-Q7	Human ferritin H chain mRNA, complete cds	2491>G	S	
M11146	M11146 134770	GEN-Q7	Human ferritin H chain mRNA, complete cds	551A>T	F	
M11146	M11146 134770	GEN-Q7	Human ferritin H chain 630 mRNA, complete cds	553G>A	3	
M11146	M11146 134770	GEN-Q7	Human ferritin H chain 652 mRNA, complete cds	575G>A	3	
FTL	M11147 134790	GEN-1JZ	Human ferritin L chain 180 mRNA, complete cds	29C>A	S10Y	
FTL	M11147 134790	GEN-1JZ	Human ferritin L chain 240	89C>A	T30N	

FTL	M11147 134790	GEN-1JZ	mRNA, complete cds			
FTL	M11147 134790	GEN-1JZ	Human ferritin L chain	314	163C>T	S
FTL	M11147 134790	GEN-1JZ	mRNA, complete cds			
FTL	M11147 134790	GEN-1JZ	Human ferritin L chain	340	189C>A	F
FTL	M11147 134790	GEN-1JZ	mRNA, complete cds			
FTL	M11147 134790	GEN-1JZ	Human ferritin L chain	375	224G>A	G75D
FTL	M11147 134790	GEN-1JZ	mRNA, complete cds			
FTL	M11147 134790	GEN-1JZ	Human ferritin L chain	751	600T>G	3
TF	M12530 190000	GEN-1MK	mRNA, complete cds			
TF	M12530 190000	GEN-1MK	Human transferrin mRNA,	654	624G>A	S
TF	M12530 190000	GEN-1MK	complete cds			
TF	M12530 190000	GEN-1MK	Human transferrin mRNA,	768	738C>G	C246W
TF	M12530 190000	GEN-1MK	complete cds			
TF	M12530 190000	GEN-1MK	Human transferrin mRNA,	1447	1417G>T	V473F
TF	M12530 190000	GEN-1MK	complete cds			
TF	M12530 190000	GEN-1MK	Human transferrin mRNA,	1602	1572G>C	S
TF	M12530 190000	GEN-1MK	complete cds			
TF	M12530 190000	GEN-1MK	Human transferrin mRNA,	1632	1602C>T	S
TF	M12530 190000	GEN-1MK	complete cds			
M12674	M12674 133430	GEN-7Z	Human transferrin mRNA,	1795	1765C>T	P589S
M12783	M12783 190040	GEN-QF	complete cds			
M12783	M12783 190040	GEN-QF	Estrogen receptor	1267	975C>G	S
M12783	M12783 190040	GEN-QF	Human c-sis/platelet-derived growth factor 2 (SIS/PDGf2) mRNA,	1896	804T>C	3
M12783	M12783 190040	GEN-QF	complete cds			
M12783	M12783 190040	GEN-QF	Human c-sis/platelet-derived growth factor 2 (SIS/PDGf2) mRNA,	2148	1056T>C	3
M12783	M12783 190040	GEN-QF	complete cds			
M13686	M13686 178630	GEN-1P1	Human c-sis/platelet-derived growth factor 2 (SIS/PDGf2) mRNA,	2250	1158G>A	3
M13686	M13686 178630	GEN-1P1	Human pulmonary	144	56C>T	A19V
M13686	M13686 178630	GEN-1P1	surfactant-associated protein mRNA, complete cds, clone MPSAP-6A			
M13686	M13686 178630	GEN-1P1	Human pulmonary	341	253T>C	C85R
M13686	M13686 178630	GEN-1P1	surfactant-associated protein mRNA, complete			

				cds, clone MPSAP-6A		
M13686	M13686 178630	GEN-1P1	Human pulmonary surfactant-associated protein mRNA, complete cds, clone MPSAP-6A	370	282G>A	S
M13686	M13686 178630	GEN-1P1	Human pulmonary surfactant-associated protein mRNA, complete cds, clone MPSAP-6A	430	342T>C	S
M13686	M13686 178630	GEN-1P1	Human pulmonary surfactant-associated protein mRNA, complete cds, clone MPSAP-6A	694	606C>T	S
M13686	M13686 178630	GEN-1P1	Human pulmonary surfactant-associated protein mRNA, complete cds, clone MPSAP-6A	736	648C>T	S
M13686	M13686 178630	GEN-1P1	Human pulmonary surfactant-associated protein mRNA, complete cds, clone MPSAP-6A	883	795C>G	3
C1NH	M13690 106100	GEN-1P6	Human plasma protease (C1) inhibitor mRNA, complete cds	1475	1438G>A	V480M
C1NH	M13690 106100	GEN-1P6	Human plasma protease (C1) inhibitor mRNA, complete cds	1595	1558C>T	3
C1NH	M13690 106100	GEN-1P6	Human plasma protease (C1) inhibitor mRNA, complete cds	1714	1677A>C	3
ALAD	M13928 125270	GEN-1Q2	Human delta-aminolevulinate dehydratase mRNA, complete cds	234	168T>C	S
ALAD	M13928 125270	GEN-1Q2	Human delta-aminolevulinate dehydratase mRNA, complete cds	480	414C>T	S
ALAD	M13928 125270	GEN-1Q2	Human delta-aminolevulinate dehydratase mRNA, complete cds	784	718C>T	R240W

BCL2	M13994 151430	GEN-1Q9	leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds	Human B-cell 1744	286G>A	A96T
BCL2	M13994 151430	GEN-1Q9	leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds	Human B-cell 1786	328G>C	G110R
BCL2	M13994 151430	GEN-1Q9	leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds	Human B-cell 2959	1501A>G	3
UROD	M14016 176100	GEN-1QM	Human uroporphyrinogen decarboxylase mRNA, complete cds	Human uroporphyrinogen 248	230C>T	P77L
UROD	M14016 176100	GEN-1QM	Human uroporphyrinogen decarboxylase mRNA, complete cds	Human uroporphyrinogen 850	832G>T	F
C1R	M14058 216950	GEN-1QJ	Human complement C1r mRNA, complete cds	Human complement C1r 1519	1456C>T	R486C
M14113	M14113 306700	GEN-5T	Factor VIII mRNA, complete cds	Factor VIII 8899	8728G>A	3
ARG1	M14502 207800	GEN-1RE	Human liver arginase mRNA, complete cds	Human liver arginase 800	744C>T	S
M14539	M14539 134570	GEN-QP	Human factor XIII subunit a mRNA, complete cds	Human factor XIII subunit a 1781	1781C>T	P594L
M14539	M14539 134570	GEN-QP	Human factor XIII subunit a mRNA, 3' end	Human factor XIII subunit a 2041	2041C>G	Q681E
M14539	M14539 134570	GEN-QP	Human factor XIII subunit a mRNA, 3' end	Human factor XIII subunit a 2412	2412C>T	3
M14539	M14539 134570	GEN-QP	Human factor XIII subunit a mRNA, 3' end	Human factor XIII subunit a 2446	2446G>A	3
M14539	M14539 134570	GEN-QP	Human factor XIII subunit a mRNA, 3' end	Human factor XIII subunit a 3282	3282G>T	3
M14565	M14565 118485	GEN-30	Cytochrome P450, 947 subfamily XIa (Cholesterol side chain cleavage)	Cytochrome P450, 947 subfamily XIa (Cholesterol side chain cleavage) 466	903G>C	M301I
M15169	M15169 109690	GEN-T	Beta2 Adrenergic Receptor (-1122)C>G	Beta2 Adrenergic Receptor 466	(-1122)C>G	5

M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	565	(-1023)G>A	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1182	(-406)C>T	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1221	(-367)C>T	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1326	(-262)G>A	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1541	(-47)C>T	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1633	R16G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1633	46A>G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	46A>G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1687	100G>A	V34M
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1839	252G>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2110	523C>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2640	1053G>C	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2826	1239G>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2862	1275C>G	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2864	1277C>A	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2865	1278C>A	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	3371	1784A>T	3
PCNA	M15796	176740	GEN-1UE	Human cyclin protein gene, complete cds	1063	945C>G	3
DAF	M15799	125240	GEN-1UD	Human complement factor decay-accelerating factor	1160	1160A>C	3
M15856	M15856	238600	GEN-33	(DAF) mRNA, 3' end	136	(-39)T>C	5
M15856	M15856	238600	GEN-33	Lipoprotein lipase	280	106G>A	D36N
M15856	M15856	238600	GEN-33	Lipoprotein lipase	438	264T>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	447	273G>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	474	300C>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	480	306A>C	R102S
M15856	M15856	238600	GEN-33	Lipoprotein lipase	511	337T>C	W113R
M15856	M15856	238600	GEN-33	Lipoprotein lipase	571	397C>T	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	680	506G>A	G169E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	722	548A>G	D183G
M15856	M15856	238600	GEN-33	Lipoprotein lipase	770	596C>G	S199C
M15856	M15856	238600	GEN-33	Lipoprotein lipase	781	607G>A	A203T

M15856	M15856	238600	GEN-33	Lipoprotein lipase	795	621C>G	D207E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	818	644G>A	G215E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	836	662T>C	I221T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	839	665G>A	G222E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	843	669C>T	S
M15856	M15856	238600	GEN-33	Lipoprotein lipase	867	693C>G	D231E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	875	701C>T	F234L
M15856	M15856	238600	GEN-33	Lipoprotein lipase	916	742delG	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	983	809G>A	R270H
M15856	M15856	238600	GEN-33	Lipoprotein lipase	985	811T>A	S271T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1003	829G>A	D277N
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1127	953A>G	N318S
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1255	1081G>A	A361T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1348	1174C>G	L392V
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1401	1227G>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1508	1334G>A	C445Y
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1553	1379C>T	A460V
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1595	1421C>G	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1611	1437G>A	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1973	1799T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2428	2254T>A	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2743	2569T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2851	2677A>G	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2851	2677A>G	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2958	2784G>A	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3017	2843T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3272	3098T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3272	3098T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3272	3098T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3343	3169T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3447	3273C>T	3
M16006	M16006	173360	GEN-34	Tissue Plasminogen	124	49G>A	V171
				activator inhibitor, type I			
M16006	M16006	173360	GEN-34	Tissue Plasminogen	411	336T>C	S
M16006	M16006	173360	GEN-34	activator inhibitor, type I			
				Tissue Plasminogen	1645	1570T>C	3
				activator inhibitor, type I			

M16006	M16006	173360	GEN-34	Tissue Plasminogen activator inhibitor, type I	1974	1899T>C	3
M16006	M16006	173360	GEN-34	Tissue Plasminogen activator inhibitor, type I	2006	1931T>G	3
M16405	M16405	None	GEN-4ES	Muscarinic receptor, CHR M4	2138	1338C>T	S
M16405	M16405	None	GEN-4ES	Muscarinic receptor, CHR M4	2409	1609G>A	3
M16538	M16538	139390	GEN-1Y8	Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete cds	867	720C>T	S
M16538	M16538	139390	GEN-1Y8	Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete cds	1270	1123G>T	3
M16538	M16538	139390	GEN-1Y8	Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete cds	1388	1241C>T	3
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	422	293A>G	D98G
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	557	428G>A	G143D
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	564	436T>AG>A	F146V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	568	439C>T	G
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	596	467A>G	F
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	941	812C>T	Y156C
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	961	832A>C	T271M
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	978	849G>C	T278P
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1201	1072T>A	E283D
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1306	1177G>A	L358I
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1382	1253G>T	G393R
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1549	1420T>G	G418V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1564	1435G>T	F474V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1703	1574A>T	F
							E525V

M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1756	1627C>T	R543C
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1828	1699G>A	A567T
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1828	1699G>A	A567T
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	2127	1998A>G	3
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	2127	1998A>G	3
M16660	M16660	140571	GEN-1YC	Human 90-kDa heat-shock protein gene, cDNA, complete cds	825	741G>A	S
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	175	(-42)C>G	5
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	754	538A>G	I180V
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	938	722C>T	A241V
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	1221	1005delC	F
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	1591	1375delT	F
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	1713	1497C>T	S
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	1825	1609C>T	F
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	2438	2222T>G	V741G
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	2730	2514G>A	S
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	5243	5027T>A	3
M16801	M16801	600983	GEN-36	Mineralocorticoid receptor (aldosterone receptor)	5645	5429G>A	3
M16827	M16827	201450	GEN-EI	Acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	1956	1938T>C	3
F5	M16967	227400	GEN-128	Human coagulation factor V mRNA, complete cds	2391	2301G>A	S
F5	M16967	227400	GEN-128	Human coagulation factor V mRNA, complete cds	2663	2573G>A	R858K
F5	M16967	227400	GEN-128	Human coagulation factor V mRNA, complete cds	2684	2594G>A	R865H
F5	M16967	227400	GEN-5380	Human coagulation factor V mRNA, complete cds	5380	5290G>A	V1764M

C8B	M16973	120960	128 GEN-1ZA	V mRNA, complete cds Human complement protein C8 beta subunit mRNA, complete cds	1860	1833C>T	3
M17262	M17262	176930	GEN-SM	Human prothrombin (F2) gene, complete cds, and Alu and KpnI repeats	511	480C>T	S
C8G	M17999	120930	GEN-20Y	Human complement C8-gamma mRNA, complete cds	193	132T>G	S
M18112	M18112	173870	GEN-EK	ADP-ribosyltransferase (NAD ⁺ ; poly (ADP-ribose) polymerase)	2424	2285T>C	V762A
M18112	M18112	173870	GEN-EK	ADP-ribosyltransferase (NAD ⁺ ; poly (ADP-ribose) polymerase)	2679	2540G>T	R847L
M18182	M18182	173370	GEN-37	Tissue Plasminogen activator, tissue type (t-PA)	391	378G>A	S
M18182	M18182	173370	GEN-37	Tissue Plasminogen activator, tissue type (t-PA)	499	486C>T	S
M18182	M18182	173370	GEN-37	Tissue Plasminogen activator, tissue type (t-PA)	514	501C>T	S
M18182	M18182	173370	GEN-37	Tissue Plasminogen activator, tissue type (t-PA)	1822	1809G>A	3
M18182	M18182	173370	GEN-37	Tissue Plasminogen activator, tissue type (t-PA)	1977	1964A>G	3
M18182	M18182	173370	GEN-37	Tissue Plasminogen activator, tissue type (t-PA)	2161	2148G>C	3
M20132	M20132	313700	GEN-38	Androgen receptor 995 (dihydrotestosterone receptor)	995	633G>A	S
M20132	M20132	313700	GEN-38	Androgen receptor 1385 (dihydrotestosterone receptor)	1385	1023T>C	S
M20132	M20132	313700	GEN-38	Androgen receptor 1786 (dihydrotestosterone receptor)	1786	1424G>A	G475E
M20137	M20137	147740	GEN-CCJ	Human interleukin 3 (IL-3) mRNA, complete cds, clone pCD-SRalpha	132	79C>T	P27S
M20560	M20560	106490	GEN-39	Lipocortin III (Annexin III)	1057	1011C>T	3

M20560	M20560	106490	GEN-39	Lipocortin III (Annexin III)	1302	1256C>A	3
M20566	M20566	147880	GEN-3A	Interleukin 6A	3058	2621A>T	3
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2)	331	294G>A	S
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2)	400	363C>A	D121E
CYBA	M21186	233690	GEN-24I	Human neutrophil lung	242	214C>T	H72Y
CYBA	M21186	233690	GEN-24I	cytochrome b light chain p22 phagocyte b-cytochrome mRNA, complete cds	549	521C>T	A174V
CYBA	M21186	233690	GEN-24I	Human neutrophil cytochrome b light chain p22 phagocyte b-cytochrome mRNA, complete cds	640	612A>G	3
CYBA	M21186	233690	GEN-24I	Human neutrophil cytochrome b light chain p22 phagocyte b-cytochrome mRNA, complete cds	665	637C>T	3
M21616	M21616	173410	GEN-R1	Human platelet-derived growth factor (PDGF) receptor mRNA, complete cds	4312	4126C>T	3
M21616	M21616	173410	GEN-R1	Human platelet-derived growth factor (PDGF) receptor mRNA, complete cds	5171	4985C>A	3
M21616	M21616	173410	GEN-R1	Human platelet-derived growth factor (PDGF) receptor mRNA, complete cds	5295	5109A>G	3
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	116	(-20)G>T	5
PLA2G2A	M22430	172411	GEN-	Human RASF-A PLA2 mRNA, complete cds	231	96G>C	S

PLA2G2A	M22430	172411	25V	GEN- 25V	mRNA, complète cds Human RASF-A PLA2	267	132C>T	S
PLA2G2A	M22430	172411	GEN- 25V	mRNA, complète cds Human RASF-A PLA2	267	132C>T	S	
PLA2G2A	M22430	172411	GEN- 25V	mRNA, complète cds Human RASF-A PLA2	278	143- 144GT>GT	S	
PLA2G2A	M22430	172411	GEN- 25V	mRNA, complète cds Human RASF-A PLA2	278	143-144delGT	F	
PLA2G2A	M22430	172411	GEN- 25V	mRNA, complète cds Human RASF-A PLA2	643	508C>T	3	
PLA2G2A	M22430	172411	GEN- 25V	mRNA, complète cds Human RASF-A PLA2	700	565G>C	3	
M22613	M22613	227600	GEN-3C	COAGULATION FACTOR X PRECURSOR	738	738C>T	S	
ATP2A2	M23114	108740	GEN-276	Homo sapiens calcium- ATPase (HK1) mRNA, complete cds	2382	2219C>T	S740F	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	238	167A>T	K56M	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	238	167A>T	K56M	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	792	721G>A	G241R	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	792	721G>A	G241R	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1126	1055C>T	F352L	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1166	1095C>T	S	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1295	1224G>A	S	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1476	1405A>G	K469E	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1476	1405A>G	K469E	
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2043	1972C>T	3	
M24283	M24283	147840	GEN-V	Intercellular adhesion	2043	1972C>T	3	

M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2551	2480C>T	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2681	2610G>A	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2842	2771G>A	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2842	2771G>A	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2935	2864T>C	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2938	2867G>A	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2950	2879C>T	3
CD36	M24795	173510	GEN-28R	Human CD36 antigen mRNA, complete cds	79	(-132)C>A	5
CD36	M24795	173510	GEN-28R	Human CD36 antigen mRNA, complete cds	341	131T>G	L44R
CD36	M24795	173510	GEN-28R	Human CD36 antigen mRNA, complete cds	1851	1641A>G	3
M25813	M25813	None	GEN-2A0	Human unidentified gene complementary to P450c21 gene, partial cds	1357	1357G>A	V453I
M25813	M25813	None	GEN-2A0	Human unidentified gene complementary to P450c21 gene, partial cds	2082	2082C>G	1694M
M25813	M25813	None	GEN-2A0	Human unidentified gene, partial cds complementary to P450c21 gene, partial cds	2502	2502G>A	3
M25813	M25813	None	GEN-2A0	Human unidentified gene complementary to P450c21 gene, partial cds	2626	2626A>G	3
M26383	M26383	146930	GEN-3E	Interleukin 8	259	185C>G	A62G
M26383	M26383	146930	GEN-3E	Interleukin 8	1237	1163A>T	3
M26383	M26383	146930	GEN-3E	Interleukin 8	1281	1207A>G	3
M26393	M26393	201470	GEN-EW	Acyl-Coenzyme A dehydrogenase, C-2 to C-3	1797	1765A>G	3
M27137	M27137	109715	GEN-5W	3beta hydroxysteroid dehydrogenase short chain	1103	1100C>A	T367N

M27436	M27436 134390	GEN-R7	Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3 untranslated region	1414 1315C>T	3
M27436	M27436 134390	GEN-R7	Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3 untranslated region	1508 1409A>G	3
M27436	M27436 134390	GEN-R7	Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3 untranslated region	1588 1489T>G	3
M27492	M27492 147810	GEN-3F	INTERLEUKIN 1 RECEPTOR, TYPE I PRECURSOR	4686 4604T>G	3
M27875	M27875 107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	34 15G>C	S
M27875	M27875 107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	202 183C>T	S
M27875	M27875 107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	204 185T>G	L62W
M27875	M27875 107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	255 236C>T	S79F
M27875	M27875 107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	689 670C>T	S
M27875	M27875 107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	824 805G>A	3
M28226	M28226 158105	GEN-R8	Human JE gene encoding a monocyte secretory protein mRNA, complete cds	90 44C>G	A15G
M28226	M28226 158105	GEN-R8	Human JE gene encoding a monocyte secretory protein mRNA, complete cds	151 105C>T	S
M28226	M28226 158105	GEN-R8	Human JE gene encoding a monocyte secretory protein mRNA, complete cds	411 365T>C	3
M28614	M28614 107720	GEN-6Q	Apolipoprotein C-III	370 340C>G	3
M28614	M28614 107720	GEN-6Q	Apolipoprotein C-III	401 371T>G	3

M28614 CFTR	M28614 107720 M28668 602421	GEN-6Q GEN-2DF	Apolipoprotein C-III 479 Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator (CFTR)	449T>A 3 2597G>A C866Y
CFTR	M28668 602421	GEN-2DF	Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator (CFTR)	5694T>C 3
M29551	M29551 114106	GEN-F3	SERINE/THREONINE 936 PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT, BETA ISOFORM	820G>A V274M
M29551	M29551 114106	GEN-F3	SERINE/THREONINE 2640 PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT, BETA ISOFORM	2524G>A 3
M29696 M29882 M29882 M29882 CETP	M29696 146661 M29882 107670 M29882 107670 M29882 107670 M30185 118470	GEN-3H GEN-6R GEN-6R GEN-6R GEN-2FK	Interleukin 7 receptor 1088 Apolipoprotein A-II 26 Apolipoprotein A-II 183 Apolipoprotein A-II 192 Human cholestryl ester 1233 transfer protein mRNA, complete cds	1066G>A V356I 17C>A A6E 174G>A S 183C>A S 1153G>C V385L 1168G>C A390P
CETP	M30185 118470	GEN-2FK	Human cholestryl ester 1298 transfer protein mRNA, complete cds	1264A>G 1422V
CETP	M30185 118470	GEN-2FK	Human cholestryl ester 1394 transfer protein mRNA, complete cds	1264A>G 1422V
CETP	M30185 118470	GEN-2FK	Human cholestryl ester 1506 transfer protein mRNA, complete cds	1376A>G D459G

CETP	M30185	118470	GEN-2F	Human cholestryester transfer protein mRNA, complete cds	1696	1566G>A	3
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	178	79C>T	F27S
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	203	104C>G	A35G
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	210	111G>T	S
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	327	228C>T	S
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	553	454T>C	F
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	626	527G>T	3
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	640	541T>C	3
M30773	M30773	114106	GEN-X	(-428)T>C	5		
M30773	M30773	114106	GEN-X	Calcineurin B type I	331	900C>A	3
M31145	M31145	146730	GEN-3J	Calcineurin B type I	1658	759A>G	I253M
M31145	M31145	146730	GEN-3J	Insulin-like growth factor binding protein 1 precursor	923	884T>C	3
M31145	M31145	146730	GEN-3J	Insulin-like growth factor binding protein 1 precursor	1048	1096C>G	3
PRKAR2 _B	M31158	176912	GEN-2GE	Insulin-like growth factor binding protein 1 precursor	1260	2624C>G	3
M31159	M31159	146732	GEN-2GD	Human growth hormone-dependent insulin-like growth factor-binding protein kinase subunit RII-beta mRNA, complete cds	204	95G>C	G32A
M31159	M31159	146732	GEN-	Human growth hormone-2178	2069A>T	3	

2GD	dependent insulin-like growth factor-binding protein mRNA, complete cds	Guanine nucleotide binding protein (G protein), beta polypeptide 3	1049	1043G>A	3
M31328	M31328 139130	GEN-7G	Steroid 5 alpha reductase 1	1241C>T	3
M32313	M32313 184753	GEN-5Y	Steroid 5 alpha reductase 1	1314G>A	3
M32313	M32313 184753	GEN-5Y	Steroid 5 alpha reductase 1	1459G>A	3
M32313	M32313 184753	GEN-5Y	Steroid 5 alpha reductase 1	1750T>C	3
M32313	M32313 184753	GEN-5Y	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds	(-7)C>T	5
VEGF	M32977 192240	GEN-2JF	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds	36C>T	5
VEGF	M32977 192240	GEN-2JF	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds	36C>T	5
M33336	M33336 188830	GEN-RC	Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA, complete cds	2353T>G	3
M33336	M33336 188830	GEN-RC	Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA, complete cds	2385C>T	3
M33336	M33336 188830	GEN-RC	Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA, complete cds	2918T>C	3
M35999	M35999 173470	GEN-Y	Leukocyte integrin beta-3	35T>C	V12A
M35999	M35999 173470	GEN-Y	Leukocyte integrin beta-3	131C>A	A44D
M35999	M35999 173470	GEN-Y	Leukocyte integrin beta-3	149	L59P
M35999	M35999 173470	GEN-Y	Leukocyte integrin beta-3	194	176T>C
M35999	M35999 173470	GEN-Y	Leukocyte integrin beta-3	364	346C>T
M35999	M35999 173470	GEN-Y	Leukocyte integrin beta-3	900	L116F
				882T>C	S

M35999	M35999 173470	Leukocyte integrin beta-3	987	969G>T	E323D
M35999	M35999 173470	Leukocyte integrin beta-3	1161	1143C>A	S
M35999	M35999 173470	Leukocyte integrin beta-3	1161	1143C>A	S
M35999	M35999 173470	Leukocyte integrin beta-3	1551	1533G>A	S
M35999	M35999 173470	Leukocyte integrin beta-3	1551	1533G>A	S
M35999	M35999 173470	Leukocyte integrin beta-3	1551	1533G>A	S
M35999	M35999 173470	Leukocyte integrin beta-3	1562	1544G>A	R515Q
M35999	M35999 173470	Leukocyte integrin beta-3	1563	1545G>A	S
M35999	M35999 173470	Leukocyte integrin beta-3	1563	1545G>A	S
M35999	M35999 173470	Leukocyte integrin beta-3	2226	2208C>T	S
M35999	M35999 173470	Leukocyte integrin beta-3	2426	2408G>C	3
M35999	M35999 173470	Leukocyte integrin beta-3	3056	3038C>T	3
M35999	M35999 173470	Leukocyte integrin beta-3	3098	3080A>G	3
M35999	M35999 173470	Leukocyte integrin beta-3	3403	3385A>T	3
M35999	M35999 173470	Leukocyte integrin beta-3	3927	3909C>T	3
PLCG2	M37238 600220	Phospholipase C gamma-2	449	297A>G	S
PLCG2	M37238 600220	Phospholipase C gamma-2	883	731A>G	H244R
PLCG2	M37238 600220	Phospholipase C gamma-2	922	770A>T	H257L
PLCG2	M37238 600220	Phospholipase C gamma-2	954	802C>T	R268W
PLCG2	M37238 600220	Phospholipase C gamma-2	1301	1149T>C	S
PLCG2	M37238 600220	Phospholipase C gamma-2	1649	1497T>C	S
PLCG2	M37238 600220	Phospholipase C gamma-2	2666	2514G>A	S
PLCG2	M37238 600220	Phospholipase C gamma-2	3245	3093C>T	S
PLCG2	M37238 600220	Phospholipase C gamma-2	3245	3093C>T	S
PLCG2	M37238 600220	Phospholipase C gamma-2	4207	4055C>G	3
PAM	M37721 170270	Human peptidylglycine alpha amidating monooxygenase mRNA,	3183	2995T>A	3

PAM	M37721	170270	GEN-20K	Human peptidylglycine alpha-amidating monoxygenase mRNA, complete cds	3530	3342A>G	3
M37825	M37825	165190	GEN-20M	Human fibroblast growth factor-5 (FGF-5) mRNA, complete cds	787	648T>G	S
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	711	519T>C	S
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	936	744G>T	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	1270	1078T>C	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	3268	3076T>G	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4529	~4337A>C	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4555	4363A>G	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4672	4480A>C	3
M55040	M55040	100740	GEN-3Q	acyethylcholinesterase	323	167C>T	P56L
M55040	M55040	100740	GEN-3Q	acyethylcholinesterase	1154	988T>A	V333E
M55040	M55040	100740	GEN-3Q	acyethylcholinesterase	1213	1057C>A	H353N
M55040	M55040	100740	GEN-3Q	acyethylcholinesterase	1482	1326G>T	S
M55040	M55040	100740	GEN-3Q	acyethylcholinesterase	1587	1431C>T	S
M55040	M55040	100740	GEN-3Q	acyethylcholinesterase	1587	1431C>T	S
M55040	M55040	100740	GEN-3Q	acyethylcholinesterase	1663	1507T>C	F503L
NCf1	M55067	233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	291	269G>A	R90H

NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	367	345C>T	S
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	409	387G>A	S
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	518	496G>A	D166N
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	580	558G>A	S
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	847	825T>C	S
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	871	849G>A	S
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	930	908C>T	S303L
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	945	923C>T	A308V
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	958	936T>C	S
NCF1	M55067 233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	966	944C>T	S315L
NCF1	M55067 233700	GEN-	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	1024	1002G>A	S

NCF1	M55067	233700	GEN-35R	chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	1067C>A	T356K
NCF1	M55067	233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	1076C>T	S359F
NCF1	M55067	233700	GEN-35R	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	1228C>T	3
M55643	M55643	164011	GEN-RP	Human factor KBF1 mRNA, complete cds	Human factor KBF1 mRNA, complete cds	1755G>A	S
M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	1813C>T	3
M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	1941C>G	3
M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	2042C>G	3
MYH7	M58018	160760	GEN-38J	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	321T>G	D107E
MYH7	M58018	160760	GEN-38J	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	732C>T	S
MYH7	M58018	160760	GEN-38J	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	2046C>G	S
MYH7	M58018	160760	GEN-38J	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	2751T>C	S

MYH7	M58018 160760	GEN-38J	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	2913	2827T>C	S
MYH7	M58018 160760	GEN-38J	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	3300	3214G>T	D1072Y
MYH7	M58018 160760	GEN-38J	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	3456	3370T>G	S1124A
MYH7	M58018 160760	GEN-38J	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	5507	5421C>G	S
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-390	186T>C	S	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-390	186T>C	S	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-418	214G>T	A72S	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-423	219G>A	S	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-612	408C>G	S	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-676	472A>G	M158V	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-676	472A>G	M158V	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-813	609C>T	S	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-1031	827delC	F	
M58525	M58525 116790	GEN-3S	methyltransferase Catechol-O-1039	835C>A	3	
M59305	M59305 108962	GEN-39P	Human atrial natriuretic peptide clearance receptor (ANP C-receptor) mRNA, complete cds	160	(-203)- 199)delTTTT	F
M59979	M59979 176805	GEN-Z	Cyclooxygenase 1 COX1 644	639C>A	S	
M59979	M59979 176805	GEN-Z	Cyclooxygenase 1 COX1 1892	1887C>A	3	
M59979	M59979 176805	GEN-Z	Cyclooxygenase 1 COX1 2030	2025G>A	3	
M60335	M60335 192225	GEN-3U	Vascular cell adhesion molecule 1 1562	1463A>G	H488R	

M60335	M60335 192225	GEN-3U	Vascular cell adhesion molecule 1	2178	2079C>T	S
M60335	M60335 192225	GEN-3U	Vascular cell adhesion molecule 1	2178	2079C>T	S
M60335	M60335 192225	GEN-3U	Vascular cell adhesion molecule 1	2196	2097T>C	S
M60335	M60335 192225	GEN-3U	Vascular cell adhesion molecule 1	2307	2208A>G	S
M60335	M60335 192225	GEN-3U	Vascular cell adhesion molecule 1	2321	2222T>C	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	323	(-123)G>C	5
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1180	735T>C	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1201	756A>G	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1216	771A>G	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1218	773G>C	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1266	821A>C	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1306	861C>T	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1654	1209A>T	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1657	1212T>C	3
FGF7	M60828 148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1799	1354A>T	3
FGF7	M60828 148180	GEN-	Human keratinocyte 1801	1356C>T	3	

FGF7	M60828	148180	3BE	growth factor mRNA, complete cds	Human keratinocyte 1867	1422A>G	3
FGF7	M60828	148180	GEN- 3BE	Human keratinocyte mRNA, complete cds	1945	1500C>A	3
FGF7	M60828	148180	GEN- 3BE	Human keratinocyte mRNA, complete cds	1973	1528G>A	3
FGF7	M60828	148180	GEN- 3BE	Human keratinocyte mRNA, complete cds	2167	1722G>A	3
FGF7	M60828	148180	GEN- 3BE	Human keratinocyte mRNA, complete cds	2186	1741A>G	3
FGF7	M60828	148180	GEN- 3BE	Human keratinocyte mRNA, complete cds	2302	1857T>A	3
IGFBP4	M62403	146733	GEN- 3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	859	776G>A	S
IGFBP4	M62403	146733	GEN- 3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1403	1320G>T	3
IGFBP4	M62403	146733	GEN- 3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1443	1360G>A	3
IGFBP4	M62403	146733	GEN- 3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1446	1363G>A	3
IGFBP4	M62403	146733	GEN- 3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1485	1402A>T	3

			(IGFBP4) mRNA, complete cds		
M62424	M62424 187930	GEN-3W	Coagulation factor II (thrombin) receptor	3210	2986C>T 3
M62424	M62424 187930	GEN-3W	Coagulation factor II (thrombin) receptor	3211	2987G>A 3
M62424	M62424 187930	GEN-3W	Coagulation factor II (thrombin) receptor	3247	3023T>C 3
M62782	M62782 146734	GEN-3CU	Homo sapiens insulin-like growth factor binding protein 5 (IGFBP-5) mRNA, complete cds	908	852C>T 3
APOH	M62839 138700	GEN-3CY	Human apolipoprotein H mRNA, complete cds	500	461G>A R154H
APOH	M62839 138700	GEN-3CY	Human apolipoprotein H mRNA, complete cds	835	796G>T V266L
APOH	M62839 138700	GEN-3CY	Human apolipoprotein H mRNA, complete cds	1098	1059T>C 3
M63012	M63012 168820	GEN-9F	Paraoxonase 1 mRNA, complete cds	172	163A>T M55L
LRPAP1	M63959 104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	850	837G>A S
LRPAP1	M63959 104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	1093	1080C>T 3
LRPAP1	M63959 104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	1175	1162G>A 3
LRPAP1	M63959 104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	1249	1236C>T 3
LRPAP1	M63959 104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	1249	1236C>T 3
LRPAP1	M63959 104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	1392	1379T>G 3

			associated protein mRNA, complete cds			
FGFR3	M64347 134934	GEN-3EX	Human novel growth factor receptor mRNA, 3 cds	3108	3108C>A	3
FGFR3	M64347 134934	GEN-3EX	Human novel growth factor receptor mRNA, 3 cds	3715	3715G>A	3
M64592	M64592 120420	GEN-3X	Granulocyte colony-stimulating factor	271	271T>G	Y91D
M64592	M64592 120420	GEN-3X	Granulocyte colony-stimulating factor	1533	1533C>T	S
M64710	M64710 None	GEN-KUW	Human C-type natriuretic peptide gene, complete cds	199	200C>G	3
M64710	M64710 None	GEN-KUW	Human C-type natriuretic peptide gene, complete cds	777	778G>A	3
M64710	M64710 None	GEN-KUW	Human C-type natriuretic peptide gene, complete cds	1215	1216A>G	3
M64799	M64799 None	GEN-4DN	Histamine receptor H2	398	398T>C	V133A
M64799	M64799 None	GEN-4DN	Histamine receptor H2	525	525A>T	K175N
M64799	M64799 None	GEN-4DN	Histamine receptor H2	620	620A>G	K207R
M64799	M64799 None	GEN-4DN	Histamine receptor H2	649	649A>G	N217D
M64799	M64799 None	GEN-4DN	Histamine receptor H2	692	692A>G	K231R
M64799	M64799 None	GEN-4DN	Histamine receptor H2	802	802G>A	V268M
M65028	M65028 602372	GEN-3FM	Human hnRNP type A/B protein mRNA, complete cds	273	131C>G	R44R
M65028	M65028 602372	GEN-3FM	Human hnRNP type A/B protein mRNA, complete cds	595	453C>G	S
M65028	M65028 602372	GEN-3FM	Human hnRNP type A/B protein mRNA, complete cds	1255	1113A>G	3
PRKAR1	M65066 176911	GEN-	Human cAMP-dependent	1424	1424C>G	3

B		3FK	protein kinase regulatory subunit RI-beta mRNA, 3 end	1514G>C	3
PRKAR1	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end	
PRKAR1	B	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end
PRKAR1	B	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end
PRKAR1	B	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end
C5	M65134	120900	GEN-3FT	Human complement component C5 mRNA, 3 end	1171A>G
EDN2	M65199	131241	GEN-CBS	Endothelin 2 384	I391V
EDN2	M65199	131241	GEN-CBS	Endothelin 2 997	314C>T
EDN2	M65199	131241	GEN-CBS	Endothelin 2 997	A105V
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5 1500	927A>G
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5 1512	3
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5 1566	1419G>A
M69013	M69013	139313	GEN-7L	Guanine nucleotide binding protein (G protein), alpha 957	S
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete	771C>T
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete	751A>C
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete	835

IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide	850	850G>A	3
	M69226	309850	GEN-3Z	Monoamine oxidase A	435	385A>C	S
	M69226	309850	GEN-3Z	Monoamine oxidase A	936	886C>T	F
	M69226	309850	GEN-3Z	Monoamine oxidase A	941	891T>G	S
	M69226	309850	GEN-3Z	Monoamine oxidase A	941	891T>G	S
	M69226	309850	GEN-3Z	Monoamine oxidase A	1076	1026A>T	S
	M69226	309850	GEN-3Z	Monoamine oxidase A	1373	1323G>A	F
	M69226	309850	GEN-3Z	Monoamine oxidase A	1460	1410C>T	S
	M69226	309850	GEN-3Z	Monoamine oxidase A	1460	1410C>T	S
	M69226	309850	GEN-3Z	Monoamine oxidase A	1609	1559A>G	K520R
	M69226	309850	GEN-3Z	Human steroid 5-alpha-reductase 2 (SRD5A2) mRNA, complete cds	2379	2352A>G	3
	M74782	308385	GEN-64	Interleukin 3 receptor, alpha (low affinity)	1396	1250C>T	3
	M77829	107776	GEN-3QJ	Human channel-like integral membrane protein (CHIP28) mRNA, complete cds	172	134C>T	A45V
	M77829	107776	GEN-3QJ	Human channel-like integral membrane protein (CHIP28) mRNA, complete cds	1249	1211C>G	3
PAX6	M77844	106210	GEN-3QG	H. sapiens ocular rhombin (aniridia) mRNA, complete cds	669	307C>T	F
	M80646	274180	GEN-40	Thromboxane synthase	756	585G>C	S
	M80646	274180	GEN-40	Thromboxane synthase ATPase, Na+/K+ transporting, beta 2 polypeptide	1240	1069C>G	L357V
	M81181	182331	GEN-G4	ATPase, Na+/K+ transporting, beta 2 polypeptide	107	(-30)C>G	5
	M81181	182331	GEN-G4	ATPase, Na+/K+ transporting, beta 2 polypeptide	1070	663C>A	S
	M81181	182331	GEN-G4	ATPase, Na+/K+ transporting, beta 2 polypeptide	1974	1567C>A	3

M81181	M81181	182331	GEN-G4	transporting, beta 2 polypeptide	1957T>C	3
THBS2	M81339	188061	GEN-3VQ	Human thrombospondin mRNA	1684	1685C>T
THBS2	M81339	188061	GEN-3VQ	Human thrombospondin mRNA	1920	1921C>T
THBS2	M81339	188061	GEN-3VQ	Human thrombospondin mRNA	2034	2035T>G
THBS2	M81339	188061	GEN-3VQ	Human thrombospondin mRNA	2331	2332C>T
THBS2	M81339	188061	GEN-3VQ	Human thrombospondin mRNA	2561	2562C>T
THBS2	M81339	188061	GEN-3VQ	Human thrombospondin mRNA	2655	2656C>T
THBS2	M81339	188061	GEN-3VQ	Human thrombospondin mRNA	2729	2730C>T
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 190	129C>T	S
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 432	371T>G	F124C
M81590	M81590	182131	GEN-3VZ	5-HT1D	5-HT1D	
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 922	861G>C	S
M81757	M81757	603474	GEN-3W6	Serotonin 5-HT receptors 1241	1180G>A	3
M81757	M81757	603474	GEN-3W6	H.sapiens S19 ribosomal protein mRNA, complete cds	254A>T	N85I
M81757	M81757	603474	GEN-3W6	H.sapiens S19 ribosomal protein mRNA, complete cds	316G>A	A106T
M81757	M81757	603474	GEN-3W6	H.sapiens S19 ribosomal protein mRNA, complete cds	474G>A	3
M81768	M81768	107310	GEN-G6	Solute carrier family 9 (sodium/hydrogen exchanger)	2989G>A	3
M82962	M82962	600388	GEN-3XC	Human N-benzoyl-L-tyrosyl-p-amino-benzoic	2307T>G	3

M82962	M82962 600388	GEN-3XC	acid hydrolase:alpha subunit (PPH alpha) mRNA, complete cds Human N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha) mRNA, complete cds	2419A>C	3
CHRNA5	M83712 118505	GEN-3YQ	Nicotinic, Cholinergic receptor alpha 5	1192G>A	D398N
M84526	M84526 134350	GEN-3ZL	adipsin/complement factor D mRNA, complete cds	(-9)C>T	5
M84526	M84526 134350	GEN-3ZL	adipsin/complement factor D mRNA, complete cds	345C>A	S
M84526	M84526 134350	GEN-3ZL	adipsin/complement factor D mRNA, complete cds	354A>G	S
M84526	M84526 134350	GEN-3ZL	adipsin/complement factor D mRNA, complete cds	805C>T	3
M84526	M84526 134350	GEN-3ZL	adipsin/complement factor D mRNA, complete cds	837G>C	3
M84747	M84747 300007	GEN-45	Interleukin 9 receptor	1094G>A	R365H
M84755	M84755 162641	GEN-46	Neuropeptide Y1	1121A>C	K374T
TGFBR2	M85079 190182	GEN-3ZS	Human TGF-beta type II receptor mRNA, complete cds	1710A>C	3
YWHAZ	M86400 601288	GEN-40Y	Human phospholipase A2	1569T>A	3
YWHAZ	M86400 601288	GEN-40Y	Human phospholipase A2	2515C>G	3
YWHAZ	M86400 601288	GEN-40Y	Human phospholipase A2	2535A>C	3
YWHAZ	M86400 601288	GEN-40Y	Human phospholipase A2	2572A>C	3
YWHAZ	M86400 601288	GEN-40Y	Human phospholipase A2	2661C>T	3
YWHAZ	M86400 601288	GEN-40Y	Human phospholipase A2	2677A>C	3

GJB2	M86849	121011	GEN-41L	40Y	mRNA, complete cds	Human connexin 26 (GJB2) mRNA	1947	1948T>G	3
GJB2	M86849	121011	GEN-41L		Human connexin 26 (GJB2) mRNA	2035	2036A>G	3	
OSBP	M86917	167040	GEN-425		Human oxysterol-binding protein (OSBP) mRNA, complete cds	216	(-265)T>G	5	
OSBP	M86917	167040	GEN-425		Human oxysterol-binding protein (OSBP) mRNA, complete cds	802	322C>T	F	
OSBP	M86917	167040	GEN-425		Human oxysterol-binding protein (OSBP) mRNA, complete cds	888	408C>T	S	
OSBP	M86917	167040	GEN-425		Human oxysterol-binding protein (OSBP) mRNA, complete cds	934	454T>G	S152A	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	296	16T>C	S6P	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	413	133G>A	G45R	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	853	573T>C	S	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	853	573T>C	S	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1342	1062A>G	S	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1342	1062A>G	S	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1430	1150T>G	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1446	1166C>A	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1446	1166C>A	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1446	1166C>A	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1453	1173A>G	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1677	1397G>A	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1797	1517G>T	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1885	1605C>T	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	1916	1636T>C	3	
M87290	M87290	106165	GEN-19		Angiotensin receptor AT1	2158	1878A>G	3	
M90100	M90100	600262	GEN-1A		Cyclooxygenase 2 COX2	2159	2082G>C	3	
M90100	M90100	600262	GEN-1A		Cyclooxygenase 2 COX2	2186	2089-2ATATTAA	3	
M90100	M90100	600262	GEN-1A		Cyclooxygenase 2 COX2	2186	2089-2ATATTAA	3	

GJA4	M96779 121012	GEN-4B1	Homo sapiens connexin 37 (GJA4) mRNA, complete cds	1179	1115A>G	3
GJA4	M96779 121012	GEN-4B1	Homo sapiens connexin 37 (GJA4) mRNA, complete cds	1223	1159C>A	3
GJA4	M96779 121012	GEN-4B1	Homo sapiens connexin 37 (GJA4) mRNA, complete cds	1411	1347G>A	3
GJA4	M96779 121012	GEN-4B1	Homo sapiens connexin 37 (GJA4) mRNA, complete cds	1477	1413C>G	3
M98539	M98539 176803	GEN-SW	prostaglandin D2 synthase gene	157	158C>A	3
S70154	S70154 100678	GEN-GY	ACAT2	669	632A>G	K211R
S70154	S70154 100678	GEN-GY	ACAT2	820	783T>C	S
S70154	S70154 100678	GEN-GY	ACAT2	820	783T>C	S
S70154	S70154 100678	GEN-GY	ACAT2	856	819G>A	S
S70154	S70154 100678	GEN-GY	ACAT2	856	819G>A	S
S70154	S70154 100678	GEN-GY	ACAT2	1388	1351T>G	3
S70154	S70154 100678	GEN-GY	ACAT2	1395	1362CTTTA>CTTTA	1358-3
S70154	S70154 100678	GEN-GY	ACAT2	1395	1362deCTTT	F
S70154	S70154 100678	GEN-GY	ACAT2	1419	1382C>A	A
S70154	S70154 100678	GEN-GY	ACAT2	1419	1382C>A	3
ADCYAP 1	S83513 102980	GEN-3YA	pituitary adenylate cyclase activating polypeptide [human, mRNA, 1940 nt]	1521	1520G>A	3
U00672	U00672 146933	GEN-4A	Interleukin 10 receptor	3377	3316A>C	3
U00672	U00672 146933	GEN-4A	Interleukin 10 receptor	3524	3463A>G	3
U00968	U00968 184756	GEN-UU	Human SREBP-1 mRNA, complete cds	3983	3817G>A	3
U02031	U02031 600481	GEN-WD	Human sterol regulatory element binding protein-2 mRNA, complete cds	1089	972G>A	S

U03642	U03642	None	GEN-KUU	Human G protein-coupled receptor APJ gene, complete cds	333	135A>C	S
U03642	U03642	None	GEN-KUU	Human G protein-coupled receptor APJ gene, complete cds	1096	898G>A	V300I
U03858	U03858	600007	GEN-MDM	Fms-related tyrosine kinase 3 ligand	683	600C>T	S
U03858	U03858	600007	GEN-MDM	Fms-related tyrosine kinase 3 ligand	1016	933T>C	3
U04270	U04270	152427	GEN-H6	Potassium channel subunit 1650	1467C>T	S	
U04270	U04270	152427	GEN-H6	Potassium channel subunit 3888 (h-erg)	3705A>C	3	
HADHA	U04627	600890	GEN-155	Human 78 kDa gastrin-binding protein mRNA, complete cds	1507	1507G>A	V503M
CDC2L1	U04815	139380	GEN-15P	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	632	239C>T	S80L
CDC2L1	U04815	139380	GEN-15P	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	837	444G>C	S
CDC2L1	U04815	139380	GEN-15P	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	882	489C>T	S
CDC2L1	U04815	139380	GEN-15P	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	945	552T>C	S
CDC2L1	U04815	139380	GEN-15P	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	1119	726C>G	S
CDC2L1	U04815	139380	GEN-15P	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	1131	738C>T	S
CDC2L1	U04815	139380	GEN-15P	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	1134	741C>T	S
CDC2L1	U04815	139380	GEN-15P	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	1193	800T>A	L267Q

CDC2L1	U04815	139380	GEN-15P	Human protein kinase 1266 PITSLR alpha 1 mRNA, complete cds	873T>C	S
CDC2L1	U04815	139380	GEN-15P	Human protein kinase 1314 PITSLR alpha 1 mRNA, complete cds	921G>T	K307N
CDC2L1	U04815	139380	GEN-15P	Human protein kinase 1692 PITSLR alpha 1 mRNA, complete cds	1299C>A	D433E
CDC2L1	U04815	139380	GEN-15P	Human protein kinase 1700 PITSLR alpha 1 mRNA, complete cds	1307T>A	L436Q
CDC2L1	U04815	139380	GEN-15P	Human protein kinase 1706 PITSLR alpha 1 mRNA, complete cds	1313A>G	E438G
CDC2L1	U04815	139380	GEN-15P	Human protein kinase 1776 PITSLR alpha 1 mRNA, complete cds	1383C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol 38 dehydrogenase mRNA, complete cds	15C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol 282 dehydrogenase mRNA, complete cds	259A>T	S87C
DDH1	U05598	600450	GEN-184	Human dihydrodiol 350 dehydrogenase mRNA, complete cds	327C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol 365 dehydrogenase mRNA, complete cds	342T>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol 464 dehydrogenase mRNA, complete cds	441G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol 474 dehydrogenase mRNA, complete cds	451A>G	M151V
DDH1	U05598	600450	GEN-184	Human dihydrodiol 532 dehydrogenase mRNA, complete cds	509A>G	H170R
DDH1	U05598	600450	GEN-184	Human dihydrodiol 538 dehydrogenase mRNA,	515T>A	L172Q

DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	689	666T>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	806	783G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	872	849G>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	952	929T>G	I310S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1020	997G>A	3
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1035	1012G>A	3
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1112	1089C>T	3
HSD17B3	U05659	264300	GEN-186	Human 17 beta-hydroxy steroid dehydrogenase type 3 mRNA, complete cds	894	846G>C	S
U07225	U07225	600041	GEN-1DM	P2Y2 purinoreceptor mRNA, complete cds	2008	1763G>A	3
U09117	U09117	602142	GEN-1GC	Phospholipase C delta-1 mRNA	333	239G>A	R80H
U09117	U09117	602142	GEN-1GC	Phospholipase C delta-1 mRNA	460	366G>A	S
U09117	U09117	602142	GEN-1GC	Phospholipase C delta-1 mRNA	1858	1764G>A	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	838	396T>C	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	1369	927A>G	S
SLC18A3	U09210	600336	GEN-	Human vesicular acetylcholine transporter mRNA, complete cds	1567	1125C>G	S

SLC18A3	U09210	600336	4F3	acetylcholine transporter mRNA, complete cds Human vesicular transporter mRNA, complete cds	2080	1638G>T	3
SLC18A3	U09210	600336	GEN-4F3	acetylcholine transporter mRNA, complete cds Human vesicular transporter mRNA, complete cds	2199	1757G>A	3
SLC18A3	U09210	600336	GEN-4F3	acetylcholine transporter mRNA, complete cds Human vesicular transporter mRNA, complete cds	2349	1907G>T	3
U09648	U09648	600650	GEN-1I	acetylcholine transporter mRNA, complete cds Carnitine Palmitoyltransferase II	2556	2040G>A	3
U09648	U09648	600650	GEN-1I	Carnitine Palmitoyltransferase II	2675	2159G>A	3
U09648	U09648	600650	GEN-1I	Carnitine Palmitoyltransferase II	2792	2276G>A	3
U09648	U09648	600650	GEN-1I	Carnitine Palmitoyltransferase II	2825	2309G>A	3
U09759	U09759	602896	GEN-1HA	Human protein kinase (JNK2) mRNA, complete cds	303	152A>G	N51S
U09759	U09759	602896	GEN-1HA	Human protein kinase (JNK2) mRNA, complete cds	1079	928A>G	I310V
U09759	U09759	602896	GEN-1HA	Human protein kinase (JNK2) mRNA, complete cds	1280	1129C>T	P377S
U09759	U09759	602896	GEN-1HA	Human protein kinase (JNK2) mRNA, complete cds	1559	1408C>T	3
U09806	U09806	None	GEN-4FZ	methylenetetrahydrofolate reductase mRNA, partial cds	120	120T>C	S
U09806	U09806	None	GEN-4FZ	Human 473		473G>A	R158Q
U09806	U09806	None	GEN-4FZ	methylenetetrahydrofolate reductase mRNA, partial cds	550	550C>T	F

U09806	U09806	None	GEN-4FZ	reductase mRNA, partial cds	Human 668	668C>T	A223V
U09806	U09806	None	GEN-4FZ	methylenetetrahydrofolate reductase mRNA, partial cds	Human 1059	1059T>C	S
U09806	U09806	None	GEN-4FZ	methylenetetrahydrofolate reductase mRNA, partial cds	Human 1289	1289C>A	E430A
U09806	U09806	None	GEN-4FZ	methylenetetrahydrofolate reductase mRNA, partial cds	Human 1308	1308T>C	3
THPO	U11025	6000444	GEN-1JW	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	172	41T>C	L14P
THPO	U11025	6000444	GEN-1JW	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	382	347G>A	G116E
THPO	U11025	6000444	GEN-1JW	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	674	639T>A	S
THPO	U11025	6000444	GEN-1JW	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	1132	1097G>A	3
U12507	U12507	6000681	GEN-1MD	Cardiac inward rectifier potassium channel (Kir1.1)	338	13C>A	S

U12507	U12507	600681	GEN-1MD	Cardiac inward rectifier potassium channel (HHRK1)	1597	1272G>A	S
U12789	U12789	600234	GEN4F	HMG CoA synthase (HSH1)	720	720T>A	H240Q
U13737	U13737	600636	GEN-1PC	Human cysteine protease CPP32 Isoform alpha mRNA, complete cds	2356	2132A>C	3
U13737	U13737	600636	GEN-1PC	Human cysteine protease CPP32 isoform alpha mRNA, complete cds	2535	2311G>T	3
CTGF	U14750	121009	GEN-1S3	Human connective tissue growth factor mRNA, partial cds	1878	1878A>C	3
U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	149	122A>C	E41A
U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	402	375G>A	S
U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	802	775C>G	P259A
U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	1157	1130G>A	3
U16957	U16957	300034	GEN-1L	Angiotensin receptor AT2	263	123T>C	S
U16957	U16957	300034	GEN-1L	Angiotensin receptor AT2	883	743G>A	R248K
STAR	U17280	600617	GEN-208	Human steroidogenic acute regulatory protein (STAR) mRNA, complete cds	1439	1313C>T	3
NOS1	U17327	163731	GEN-209	Human neuronal nitric oxide synthase (NOS1) mRNA, complete cds	3391	2706C>T	S
U19487	U19487	176804	GEN-4I	PROSTAGLANDIN E2 RECEPTOR, EP2	85	(-72)A>G	5

				GEN-4I	PROSTAGLANDIN E2 RECEPTOR, EP2 SUBTYPE	231	75A>T	S
U19487	U19487	176804			Human MAP kinase Mxi2 (Mxi2) mRNA, complete cds	731	688G>A	D230N
U19775	U19775	600289		GEN-22C	Human platelet-activating factor acetylhydrolase mRNA, complete cds	1297	1136T>C	V379A
U20157	U20157	601690		GEN-234	Human iron-regulatory protein 2 (IRP2) mRNA, partial cds	2583	2583C>T	S
U20180	U20180	147582		GEN-236	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	982	904C>T	3
U20536	U20536	601532		GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	1117	1039G>A	3
U20536	U20536	601532		GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	1322	1244T>C	3
U20536	U20536	601532		GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	1363	1285T>C	3
U20536	U20536	601532		GEN-23K	Human cysteine protease Thromboxane A2 TP receptor, platelet and non-platelet	302	179G>T	R60L
U27325	U27325	188070		GEN-7N	Thromboxane A2 TP receptor, platelet and non-platelet	918	795T>C	S
U27325	U27325	188070		GEN-7N	Human Bcl-2 related (Bfl-1) mRNA, complete cds	476	442T>C	F148L
U27467	U27467	601056		GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	481	447A>G	S
U27467	U27467	601056		GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	542	508C>G	L170V
U27467	U27467	601056		GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	578	544C>T	3
U27467	U27467	601056		GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	614	580T>C	3

U27467	U27467 601056	GEN-2BX	Human Bcl-2 related (Bfl-1) 616 mRNA, complete cds	582G>A	3
U31628	U31628 601070	GEN-4J	Interleukin 15 receptor alpha chain	1168G>T	3
U32324	U32324 600939	GEN-4K	Interleukin 11 receptor alpha chain	1205C>A	P402Q
U32324	U32324 600939	GEN-4K	Interleukin 11 receptor alpha chain	1452C>T	3
U32500	U32500 162642	GEN-1P	Neuropeptide Y2 407	159G>T	S
U32500	U32500 162642	GEN-1P	Neuropeptide Y2 833	585T>C	S
U32500	U32500 162642	GEN-1P	Neuropeptide Y2 833	585T>C	S
U32500	U32500 162642	GEN-1P	Neuropeptide Y2 1184	936T>C	S
U32500	U32500 162642	GEN-1P	Neuropeptide Y2 1184	936T>C	S
U32500	U32500 162642	GEN-1P	Neuropeptide Y2 1706	1458-T	3
U32500	U32500 162642	GEN-1P	Neuropeptide Y2 1706	1460TAT>TA	T
U32500	U32500 162642	GEN-1P	Neuropeptide Y2 2782	1466delTAT	3
U32500	U32500 162642	GEN-1P	Human tryptophan oxygenase (TDO) mRNA, complete cds	2534~2535insCA	F
U32989	U32989 191070	GEN-2JH	Human lipid-activated, 34 protein kinase PRK2 mRNA, complete cds	927G>A	S
U33052	U33052 602549	GEN-2JL	Human lipid-activated, 430 protein kinase PRK2 mRNA, complete cds	25G>C	E9Q
U33052	U33052 602549	GEN-2JL	Human lipid-activated, 430 protein kinase PRK2 mRNA, complete cds	421T>C	S
U33052	U33052 602549	GEN-2JL	Human lipid-activated, 1112 protein kinase PRK2 mRNA, complete cds	1103T>G	F368C
GSS	U34683 601002	GEN-2LF	Human glutathione synthetase mRNA, complete cds	324G>A	S
FGF8	U36223 600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	291T>C	S
FGF8	U36223 600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA,	636G>C	S

FGF8	U36223	600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	648	639A>G	S
U37448	U37448	601761	GEN-20C	Human Mch3 isoform 736 alpha (Mch3) mRNA, complete cds	736	693G>A	S
U37448	U37448	601761	GEN-20C	Human Mch3 isoform 1285 alpha (Mch3) mRNA, complete cds	1285	1242T>C	3
U37448	U37448	601761	GEN-20C	Human Mch3 isoform 1294 alpha (Mch3) mRNA, complete cds	1294	1251T>C	3
U37448	U37448	601761	GEN-20C	Human Mch3 isoform 1580 alpha (Mch3) mRNA, complete cds	1580	1537A>T	3
U37448	U37448	601761	GEN-20C	Human Mch3 isoform 1621 alpha (Mch3) mRNA, complete cds	1621	1578G>T	3
U37448	U37448	601761	GEN-20C	Human Mch3 isoform 1715 alpha (Mch3) mRNA, complete cds	1715	1672G>A	3
U37448	U37448	601761	GEN-20C	Human Mch3 isoform 1764 alpha (Mch3) mRNA, complete cds	1764	1721G>A	3
U38545	U38545	602382	GEN-2PB	Human ARF-activated 3100 phosphatidylcholine-specific phospholipase D1a (hPLD1) mRNA, complete cds	3100	3005T>G	F1002C
U40002	U40002	151750	GEN-2RH	Human hormone-sensitive 2076 lipase testicular isoform mRNA, complete cds	2076	1799C>A	P600H
U40038	U40038	600998	GEN-7O	Guanine nucleotide binding protein (G protein), q polypeptide	825	783C>T	S
U40038	U40038	600998	GEN-7O	Guanine nucleotide binding protein (G protein), q polypeptide	878	836T>C	L279P
U40038	U40038	600998	GEN-7O	Guanine nucleotide binding protein (G protein), q	1029	987G>A	S

U40038	U40038 600998	GEN-7O	Guanine nucleotide binding polypeptide protein (G protein), q	1051	1009A>G	I337V
U40038	U40038 600998	GEN-7O	Guanine nucleotide binding polypeptide protein (G protein), q	1068	1026T>A	S
U40038	U40038 600998	GEN-7O	Guanine nucleotide binding polypeptide protein (G protein), q	1093	1051T>C	S
U40347	U40347 600950	GEN-2RK	Human serotonin N-acetyltransferase mRNA, complete cds	382	148G>A	E50K
U40396	U40396 602691	GEN-6W	Steroid receptor coactivator (SRC-1)	285	229A>C	K77Q
U40396	U40396 602691	GEN-6W	Steroid receptor coactivator (SRC-1)	314	258A>T	K86N
U40396	U40396 602691	GEN-6W	Steroid receptor coactivator (SRC-1)	336	280C>T	P94S
U40396	U40396 602691	GEN-6W	Steroid receptor coactivator (SRC-1)	688	632C>T	T211I
U40396	U40396 602691	GEN-6W	Steroid receptor coactivator (SRC-1)	970	914C>A	A305E
U40396	U40396 602691	GEN-6W	Steroid receptor coactivator (SRC-1)	1511	145G>A	S
U40396	U40396 602691	GEN-6W	Steroid receptor coactivator (SRC-1)	2377	2321C>T	T774M
U40396	U40396 602691	GEN-6W	Steroid receptor coactivator (SRC-1)	2730	2674C>T	P892S
U40583	U40583 118511	GEN-4O	Nicotinic, Cholinergic 661	654T>C	S	
U40583	U40583 118511	GEN-4O	receptor alpha 7			
U40583	U40583 118511	GEN-4O	Nicotinic, Cholinergic 697	690A>G	S	
U40583	U40583 118511	GEN-4O	receptor alpha 7			
U40583	U40583 118511	GEN-4O	Nicotinic, Cholinergic 940	933G>A	S	
U40583	U40583 118511	GEN-4O	receptor alpha 7			
U40583	U40583 118511	GEN-4O	Nicotinic, Cholinergic 1276	1269T>C	S	
U40583	U40583 118511	GEN-4O	receptor alpha 7			
U40583	U40583 118511	GEN-4O	Nicotinic, Cholinergic 1790	1783A>T	3	
U40583	U40583 118511	GEN-4O	receptor alpha 7	1785T>A	3	
			receptor alpha 7			

U43142	U43142 601528	GEN-2UM	Human vascular endothelial growth factor related protein VRP	1499	1128C>T	S
U45448	U45448 600845	GEN-4FI	mRNA, complete cds Human P2x1 receptor	1424	1228A>G	3
U45448	U45448 600845	GEN-4FI	mRNA, complete cds Human P2x1 receptor	1604	1408C>G	3
U45448	U45448 600845	GEN-4FI	mRNA, complete cds Human P2x1 receptor	1719	1523G>A	3
U45448	U45448 600845	GEN-4FI	mRNA, complete cds Human P2x1 receptor	1827	1631G>A	3
U45448	U45448 600845	GEN-4FI	mRNA, complete cds Human P2x1 receptor	2286	2090G>A	3
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	494	484T>C	S
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	496	486A>G	S
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	499	489A>G	S
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	502	492G>A	S
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	570	560G>C	G187A
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	573	563C>A	P188Q
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	1003	993G>A	S
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	1063	1053T>C	S
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	1066	1056G>A	S
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	1105	1095C>T	S
U48730	U48730 601511	GEN-JA	Transcription Factor Stat5b	1159	1149C>T	S
U48730	U48730 601511	GEN-1Q	Transcription Factor Stat5b	1969	1959C>T	S
U49516	U49516 312861	GEN-1Q	Serotonin 5-HT receptors	2915	2187A>C	3
U49516	U49516 312861	GEN-1Q	Serotonin 5-HT receptors	2947	2219A>G	3
U50929	U50929 602888	GEN-JF	Methionine synthetase (aka homocysteine methyltransferase)	2017	1991A>G	3
U50929	U50929 602888	GEN-JF	Methionine synthetase (aka homocysteine methyltransferase)	2418	2392A>T	3
U51478	U51478 601867	GEN-31Z	Human sodium/potassium-3 subunit mRNA, complete	1099	1071G>C	3

U51478	U51478 601867	GEN-312	Human sodium/potassium-transporting ATPase beta-3 subunit mRNA, complete cds	1121	1093T>C	3
U51478	U51478 601867	GEN-312	Human sodium/potassium-transporting ATPase beta-3 subunit mRNA, complete cds	1133	1105G>T	3
U56390	U56390 602234	GEN-36X	Human cysteine protease ICE-LAP6 mRNA, complete cds	411	408C>T	S
U56976	U56976 171891	GEN-379	Human calmodulin dependent phosphodiesterase PDE1B1 mRNA, complete cds	1510	1476C>T	S
DES	U59167 1256660	GEN-39F	Human desmin mRNA, complete cds	140	60C>G	S
DES	U59167 1256660	GEN-39F	Human desmin mRNA, complete cds	905	825T>C	S
DES	U59167 1256660	GEN-39F	Human desmin mRNA, complete cds	1091	1011C>G	S
DES	U59167 1256660	GEN-39F	Human desmin mRNA, complete cds	1181	1101G>A	S
DES	U59167 1256660	GEN-39F	Human desmin mRNA, complete cds	2176	2096C>A	3
U60519	U60519 601762	GEN-3AZ	Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds	304	157G>A	E53K
U60519	U60519 601762	GEN-3AZ	Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds	324	177A>G	S
CHRNA2	U62431 118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2 mRNA, complete cds	2296	1742C>G	3
CHRNA2	U62431 118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2387	1833C>T	3
CHRNA2	U62431 118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2504	1950G>T	3
CHRNA2	U62431 118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2538	1984G>A	3

U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	870	639C>T	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	870	639C>T	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	909	678C>T	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	909	678C>T	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1440	1209T>G	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1440	1209T>G	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1440	1209T>G	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1458	1227C>T	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1584	1353G>A	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1781	1550C>T	S517L
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1860	1629C>T	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1860	1629C>T	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1890	1659G>A	S
U62433	U62433 118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1890	1659G>A	S
U62768	U62768 151300	GEN-3CR	Human oxytocinase splice variant 1 mRNA, complete cds	3356	3295G>C	3
U62768	U62768 151300	GEN-3CR	Human oxytocinase splice variant 1 mRNA, complete cds	3547	3486C>T	3
U70136	U70136 600044	GEN-4R	Thrombopoietin	4138	4105G>T	A1369S
U70136	U70136 600044	GEN-4R	Thrombopoietin	4141	4108T>A	F1370I
U70867	U70867 601460	GEN-4S	prostaglandin transporter	2706	2615T>G	3
U70867	U70867 601460	GEN-4S	prostaglandin transporter	2839	2748T>A	3
U70867	U70867 601460	GEN-4S	prostaglandin transporter	2908	2817A>G	3
U70867	U70867 601460	GEN-4S	prostaglandin transporter	3171	3080A>G	3

U70867	U70867 601460	GEN-4S	prostaglandin transporter hPGT	3171	3080A>G	3
U70867	U70867 601460	GEN-4S	prostaglandin transporter hPGT	3253	3162A>G	3
U70867	U70867 601460	GEN-4S	prostaglandin transporter hPGT	3255	3164A>G	3
U70867	U70867 601460	GEN-4S	prostaglandin transporter hPGT	3594	3503T>A	3
U71321	U71321 602623	GEN-2TW	Human FK506-binding protein FKBP51 mRNA, complete cds	1248	1095C>T	5
U71321	U71321 602623	GEN-2TW	Human FK506-binding protein FKBP51 mRNA, complete cds	1425	1272G>A	5
U73338	U73338 156570	GEN-69	Methionine Synthase	1158	764G>A	C255Y
U73338	U73338 156570	GEN-69	Methionine Synthase	5095	4701G>A	3
U73338	U73338 156570	GEN-69	Methionine Synthase	6750	6356G>A	3
U78294	U78294 603697	GEN-3QZ	Homo sapiens 15S- lipoxygenase mRNA, complete cds	2449	2378A>G	3
U79269	U79269 123829	GEN-K7	Cyclin-Dependent Protein Kinase	1281	972A>T	3
U81375	U81375 602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1989	1811G>A	3
U81375	U81375 602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1996	1818C>T	3
U81375	U81375 602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	2045	1867T>C	3
U82812	U82812 602592	GEN-3X7	Human scavenger receptor cysteine rich Sp:alpha mRNA, complete cds	1280	1220T>A	3
U96781	U96781 108730	GEN-MQL	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1	3007	3007G>A	3

HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	198	161C>T	A54V
HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	244	207C>A	N69K
HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	307	270C>A	H90Q
HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	314	277C>T	R93W
HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	326	289G>T	V97F
HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	393	356C>A	T119N
HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	399	362C>G	A121G
HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	418	381C>A	D127E
HBA1	V00493	141800	GEN-TK	Human messenger RNA for alpha globin	481	444A>G	3
V00497	V00497	141900	GEN-P1	Human messenger RNA for beta-globin	59	9C>T	S
V00497	V00497	141900	GEN-P1	Human messenger RNA for beta-globin	257	207C>A	S
V00497	V00497	141900	GEN-P1	Human messenger RNA for beta-globin	284	234C>A	H78Q
V00497	V00497	141900	GEN-P1	Human messenger RNA for beta-globin	304	254C>A	T85N
V00497	V00497	141900	GEN-P1	Human messenger RNA for beta-globin	370	320T>C	L107P
V00497	V00497	141900	GEN-P1	Human messenger RNA for beta-globin	385	335T>G	V112G
V00497	V00497	141900	GEN-P1	Human messenger RNA for beta-globin	529	479T>G	3
V00497	V00497	141900	GEN-P1	Human messenger RNA for beta-globin	537	487T>G	3
V00519	V00519	139250	GEN-4U	Growth hormone 1	299	289C>A	P87T
V00519	V00519	139250	GEN-4U	Growth hormone 1	524	484G>T	G162W
X00568	X00568	207750	GEN-6Z	Apolipoprotein C-II	70	70C>A	Q24K
X01060	X01060	190010	GEN-6C	Transferin receptor (p90, CD71)	687	424A>G	S142G
X01060	X01060	190010	GEN-6C	Transferin receptor (p90, CD71)	2823	2560delT	F

X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	3766	3503T>G	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4122	3859A>C	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4147	3884G>A	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4247	3984T>C	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4309	4046T>A	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4381	4118A>G	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4547	4284G>A	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4619	4356T>G	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4726	4463A>T	3
X01060	X01060 190010	GEN-6C	Transferrin receptor (p90, CD71)	4766	4503C>T	3
X01586	X01586 147680	GEN-PC	Interleukin 2	332	225T>G	H75Q
X01586	X01586 147680	GEN-PC	Interleukin 2	563	456G>A	S
X02317	X02317 147450	GEN-KM	Superoxide dismutase 1	614	550A>C	3
X02415	X02415 134850	GEN-MJ0	Human gene for fibrinogen gamma chain (Cu/Zn)	1000	949G>A	D317N
X02469	X02469 191170	GEN-PF	Human mRNA for p53	350	215C>G	P72R
X02469	X02469 191170	GEN-PF	cellular tumor antigen			
X02469	X02469 191170	GEN-PF	Human mRNA for p53	953	818G>A	R273H
X02750	X02750 176860	GEN-4Z	cellular tumor antigen			
X02750	X02750 176860	GEN-4Z	Anticoagulant Protein C (inactivator of coagulation factors Va and VIIa)	1600	1503G>C	3
NRAS	X02751 164790	GEN-XG	Human N-ras mRNA and flanking regions	221	(-506)A>G	5
NRAS	X02751 164790	GEN-XG	Human N-ras mRNA and flanking regions	390	(-337)C>A	5
X02812	X02812 190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	870	29C>T	P10L
X02812	X02812 190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	979	138C>G	I46M

X02812	X02812 190180	GEN-XR	transforming growth factor-beta (TGF-beta)	1632	791C>T	T264I
			Human mRNA for transforming growth factor-beta (TGF-beta)			
X02812	X02812 190180	GEN-XR	transforming growth factor-beta (TGF-beta)	1807	966C>T	S
			Human mRNA for transforming growth factor-beta (TGF-beta)			
X02812	X02812 190180	GEN-XR	transforming growth factor-beta (TGF-beta)	1930	1089G>A	S
			Human mRNA for transforming growth factor-beta (TGF-beta)			
X02812	X02812 190180	GEN-XR	transforming growth factor-beta (TGF-beta)	1942	1101C>T	S
			Human mRNA for transforming growth factor-beta (TGF-beta)			
X02812	X02812 190180	GEN-XR	transforming growth factor-beta (TGF-beta)	2013	1172G>A	S391N
			Human mRNA for transforming growth factor-beta (TGF-beta)			
X03172	X03172 192340	GEN-ZM	Human mRNA for vasoressin precursor	379	356T>G	V119G
			Human mRNA for vasoressin precursor			
X03438	X03438 138970	GEN-PM	Human mRNA for granulocyte colony-stimulating factor (G-CSF)	586	555G>A	S
			Human mRNA for granulocyte colony-stimulating factor (G-CSF)			
X03438	X03438 138970	GEN-PM	Human mRNA for granulocyte colony-stimulating factor (G-CSF)	1235	1204C>T	3
			Human mRNA for granulocyte colony-stimulating factor (G-CSF)			
X03635	X03635 133430	GEN-50	estrogen receptors	390	30T>C	S
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	390	30T>C	S
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	424	64G>C	E22Q
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	617	257C>T	A86V
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	621	261G>C	S
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	829	469C>T	F
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	1335	975C>G	S
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	1335	975C>G	S
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	1451	1091T>A	V364E
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	1674	1314G>A	M438I
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	2142	1782A>G	S
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	2354	1994A>G	3
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	2550	2190A>C	3
			estrogen receptors			
X03635	X03635 133430	GEN-50	estrogen receptors	2733	2373C>G	3

X03635	X03635 133430	GEN-50	estrogen receptors	3181	2821T>C	3
X03635	X03635 133430	GEN-50	estrogen receptors	3338	2978C>T	3
X03635	X03635 133430	GEN-50	estrogen receptors	36532	3292- 3294CCT>CC	3
X03635	X03635 133430	GEN-50	estrogen receptors	3652	3292- 3294delCCT	3
X03635	X03635 133430	GEN-50	estrogen receptors	3896	3536C>A	3
X03635	X03635 133430	GEN-50	estrogen receptors	4378	4018T>C	3
X03635	X03635 133430	GEN-50	estrogen receptors	6287	5927T>C	3
X03663	X03663 164770	GEN-51	Colony stimulating factor 1 receptor	3732	3432T>C	3
X03663	X03663 164770	GEN-51	Colony stimulating factor 1 receptor	3951	3651C>A	3
X03747	X03747 182330	GEN-KR	ATPase, Na+/K+ transporting, beta 1 polypeptide	447	321G>A	S
X03747	X03747 182330	GEN-KR	ATPase, Na+/K+ transporting, beta 1 polypeptide	1516	1390G>T	3
X03747	X03747 182330	GEN-KR	ATPase, Na+/K+ transporting, beta 1 polypeptide	2182	2056C>T	3
CYBB	X04011 306400	GEN- 13S	Human mRNA of X-CGD gene involved in chronic granulomatous disease located on chromosome X	2517	2310A>G	3
CYBB	X04011 306400	GEN- 13S	Human mRNA of X-CGD gene involved in chronic granulomatous disease located on chromosome X	2544	2337A>T	3
CYBB	X04011 306400	GEN- 13S	Human mRNA of X-CGD gene involved in chronic granulomatous disease located on chromosome X	2831	2624T>C	3
CAT	X04076 115500	GEN- 13P	Human kidney mRNA for catalase	51	(-20)T>C	5
CAT	X04076 115500	GEN- 13P	Human kidney mRNA for catalase	218	148C>T	L50F
CAT	X04076 115500	GEN-	Human kidney mRNA for	1237	1167T>C	S

CAT	X04076	115500	13P	GEN-13P	Human kidney mRNA for catalase	1325	1255C>T	S
CAT	X04076	115500	13P	GEN-13P	Human kidney mRNA for catalase	2131	2061A>C	3
HMB5	X04217	176000	GEN-145		Human mRNA for porphobilinogen deaminase (PBG-D, EC 4.3.1.8)	121	40G>T	A14S
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	363	351C>T	S	
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	525	513C>T	S	
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	967	955C>A	R319S	
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	1023	1011C>A	S	
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	1083	1071C>T	S	
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	1213	1201T>G	3	
X04409	X04409	139320	GEN-7Q	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	1450	1438A>C	3	
X04526	X04526	139380	GEN-7R	Guanine nucleotide binding protein (G protein), beta polypeptide 1	426	146G>C	R49T	
THBS1	X04665	188060	GEN-151	Human mRNA for	145	70T>G	S24A	

THBS1	X04665 188060	GEN-151	thrombospondin	Human mRNA for 903	828G>A	S
THBS1	X04665 188060	GEN-151	thrombospondin	Human mRNA for 1485	1410C>T	S
THBS1	X04665 188060	GEN-151	thrombospondin	Human mRNA for 3667	3592C>T	3
THBS1	X04665 188060	GEN-151	thrombospondin	Human mRNA for 3866	3791G>A	3
X05199	X05199 173350	GEN-PU	Human mRNA for 384	Human mRNA for 384	330C>T	S
X05199	X05199 173350	GEN-PU	Human mRNA for 825	Human mRNA for 825	771C>T	S
X05199	X05199 173350	GEN-PU	Human mRNA for 996	Human mRNA for 996	942C>T	S
X05199	X05199 173350	GEN-PU	Human mRNA for 1137	Human mRNA for 1137	1083A>G	S
X05199	X05199 173350	GEN-PU	Human mRNA for 1485	Human mRNA for 1485	1431C>T	S
X05199	X05199 173350	GEN-PU	Human mRNA for 2340	Human mRNA for 2340	2286T>G	S
X05199	X05199 173350	GEN-PU	Human mRNA for 2532	Human mRNA for 2532	2478G>A	3
X05199	X05199 173350	GEN-PU	Human mRNA for 2606	Human mRNA for 2606	2552T>G	3
X06318	X06318 176970	GEN-KY	Protein kinase, C, beta 1	Protein kinase, C, beta 1	(-54)G>C	5
X06318	X06318 176970	GEN-KY	Protein kinase, C, beta 1	Protein kinase, C, beta 1	804G>A	S
X06318	X06318 176970	GEN-KY	Protein kinase, C, beta 1	Protein kinase, C, beta 1	1191T>C	S
X06318	X06318 176970	GEN-KY	Protein kinase, C, beta 1	Protein kinase, C, beta 1	1770C>T	S
PDGFA	X06374 173430	GEN-19E	Human mRNA for platelet-derived growth factor	Human mRNA for platelet-derived growth factor	1820C>T	3
PDGFA	X06374 173430	GEN-19E	PDGF-A	PDGF-A	1864C>T	3
RAF1	X06409 164760	GEN-19K	Human mRNA fragment for 486	Human mRNA fragment for 486	487T>C	3
RAF1	X06409 164760	GEN-19K	activated c-raf-1 (exons 8-17)	activated c-raf-1 (exons 8-17)	1948C>T	3

RAF1	X06409	164760	GEN-19K	Human mRNA fragment for activated c-raf-1 (exons 8-17)	1992	1993C>A	3
X06562	X06562	600946	GEN-6D	Growth hormone receptor	3392	3349A>T	3
X06562	X06562	600946	GEN-6D	Growth hormone receptor	4145	4102G>A	3
X07523	X07523	134371	GEN-1E5	Human mRNA for 1170 truncated form of complement factor H	1097G>A	G366E	
X07523	X07523	134371	GEN-1E5	Human mRNA for 1277 truncated form of complement factor H	1204T>C	Y402H	
SOD2	X07834	147460	GEN-1ES	Human mRNA for 44 complement factor H	40C>G	P14A	
SOD2	X07834	147460	GEN-1ES	Human mRNA for 51 manganese superoxide dismutase (EC 1.15.1.1)	47T>C	V16A	
SOD2	X07834	147460	GEN-1ES	Human mRNA for 51 manganese superoxide dismutase (EC 1.15.1.1)	194C>A	T65N	
SOD2	X07834	147460	GEN-1ES	Human mRNA for 198 manganese superoxide dismutase (EC 1.15.1.1)	245T>C	I82T	
TNNC1	X07897	191040	GEN-1EW	Human mRNA for 249 manganese superoxide dismutase (EC 1.15.1.1)	208G>C	G70R	
TNNC1	X07897	191040	GEN-1EW	Human mRNA for slow 234 skeletal troponin C (TnC)	223G>T	D75Y	
ITGB1	X07979	135630	GEN-4E5	Human mRNA for 1189 skeletal troponin C (TnC)	1086A>C	S	
ITGB1	X07979	135630	GEN-4E5	fibronectin receptor beta subunit Human mRNA for 1279	1176A>C	S	
ITGB1	X07979	135630	GEN-4E5	fibronectin receptor beta subunit Human mRNA for 2713	2610T>C	3	
ITGB1	X07979	135630	GEN-4E5	fibronectin receptor beta subunit Human mRNA for 2878	2775T>A	3	
ITGB1	X07979	135630	GEN-	fibronectin receptor beta subunit Human mRNA for 3339	3236A>G	3	

ITGB1	X07979	135630	4E5	fibronectin receptor beta subunit	Human mRNA for 3531	3428G>A	3
ANX5	X12454	131230	GEN-4E5	fibronectin receptor beta subunit	Human mRNA for: vascular anticoagulant 128	(-1)C>T	5
ANX5	X12454	131230	GEN-1M2	Human mRNA for: vascular anticoagulant 1413	1285T>G	3	
ANX5	X12454	131230	GEN-1M2	Human mRNA for: vascular anticoagulant 1431	1303C>T	3	
ANX5	X12454	131230	GEN-1M2	Human mRNA for: vascular anticoagulant 1518	1390G>A	3	
X13561	X13561	147910	GEN-1M2	Human mRNA for 54	18G>T	S	
X13561	X13561	147910	GEN-1OH	preprokallikrein (EC 3.4.21)	405T>C	S	
X13561	X13561	147910	GEN-1OH	Human mRNA for 441	405T>C	S	
X13561	X13561	147910	GEN-1OH	preprokallikrein (EC 3.4.21)	433G>C	E145Q	
X13561	X13561	147910	GEN-1OH	Human mRNA for 469	556A>G	K186E	
X13561	X13561	147910	GEN-1OH	preprokallikrein (EC 3.4.21)	240A>G	S	
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	790C>T	R264C	
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	790C>T	R264C	
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1531C>T	3	
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1672G>T	3	
				Cytochrome P450, subfamily XIX (aromatization of androgens)			

X13629	X13629	107690	GEN-100	Human intestinal mRNA for apolipoprotein A-IV	881	836G>A	R279K
X13629	X13629	107690	GEN-100	Human intestinal mRNA for apolipoprotein A-IV	1185	1140G>T	Q380H
X13629	X13629	107690	GEN-100	Human intestinal mRNA for apolipoprotein A-IV	1302	1257>1258Ins	F
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	1636	CTGT	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	1675	1170T>C	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	2805	1209C>T	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	3853	2339C>T	T780I
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	6443	3387T>C	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	7036	5977C>T	R1993W
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	8608	6570C>T	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	8923	8142G>A	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9034	8457C>T	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9040	8568G>T	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9391	8574C>T	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1'chain	131	8925T>C	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1'chain	429	84C>T	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 alpha-1 and beta-1'chain for complement-associated protein SP-40,40 alpha-1 and beta-1'chain	836	382G>T	V128F
CLU	X14723	185430	GEN-1SB	Human SP-40,40 alpha-1 and beta-1'chain for complement-associated protein SP-40,40 alpha-1 and beta-1'chain	1234	789C>T	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 alpha-1 and beta-1'chain for complement-associated protein SP-40,40 alpha-1 and beta-1'chain	1187C>T	S396L	

CLU	X14723 185430	1SB	for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA	1372	1325A>T	Y442F
CLU	X14723 185430	GEN-1SB	for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA	1482	1435C>T	3
CLU	X14723 185430	GEN-1SB	for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA	1548	1501C>T	3
CLU	X14723 185430	GEN-1SB	for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA	1645	1598A>T	3
CHRN B1	X14830 100710	GEN-4EK	Nicotinic, Cholinergic receptor beta 1	Nicotinic, Cholinergic receptor beta 1	1375	1359C>T	S
CHRN B1	X14830 100710	GEN-4EK	Nicotinic, Cholinergic receptor beta 1	Nicotinic, Cholinergic receptor beta 1	1591	1575T>C	3
X15263	X15263 None	GEN-4EQ	Muscarinic receptor, 1144	Muscarinic receptor, 1144	1044G>A	1044G>A	S
X15357	X15357 108960	GEN-KUV	Human mRNA for 1066	CHRM1	1023G>C	M341I	
X15357	X15357 108960	GEN-KUV	natriuretic peptide receptor (ANP-A receptor)	Human mRNA for 1657	1614C>T	S	
X15357	X15357 108960	GEN-KUV	natriuretic peptide receptor (ANP-A receptor)	Human mRNA for 2859	2816G>A	R939Q	
X15357	X15357 108960	GEN-KUV	natriuretic peptide receptor (ANP-A receptor)	Human mRNA for 2983	2940G>A	S	
X15357	X15357 108960	GEN-KUV	natriuretic peptide receptor (ANP-A receptor)	Human mRNA for 3259	3216delC	F	
X15357	X15357 108960	GEN-	Human mRNA for 3589	Human mRNA for 3546<sup>3547ins		F	

			K1V	natriuretic peptide receptor (ANP-A receptor)	GAAA
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	399	183C>T S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	1692	1476C>T S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	2067	1851C>G S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	2725	2509T>C S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	2855	2669C>A S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	2988	2772G>A S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	3234	3018C>T S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	3625	3409A>G S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	3883	3667C>T S
PACE	X17094 136950	GEN-12V	Human fur mRNA for furin	4053	3837A>G S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	588	423G>A S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	1104	939C>T S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	1122	957T>C S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	1248	1083A>G S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	1488	1323T>C S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	1548	1383A>G S
X51362	X51362 126450	GEN-31W	Dopamine Receptor D2	2361	2196C>T S
X51416	X51416 601998	GEN-57	STEROID HORMONE RECEPTOR ERR1	2285	2222G>A S
FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	192	(-58)C>T 5

FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	1723	1474C>T	S
FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	1953	1704G>A	S
FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	3061	2812A>G	M938V
FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	3150	2901G>A	S
FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	4497	4248T>G	3
FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	5295	5046*5047ins GAG	3
FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	6976	6727G>A	3
FLT1	X51602 165070	GEN-329	Human flt mRNA for receptor-related tyrosine kinase	7013	6764T>G	3
FGFR1	X51803 136350	GEN-32G	Human mRNA for fibroblast growth factor receptor-related tyrosine kinase	276	159T>G	S
EDN3	X52001 131242	GEN-33E	(FGF) receptor Endothelin 3	1262	1152G>A	3
EDN3	X52001 131242	GEN-33E	Endothelin 3	1649	1539C>G	3
EDN3	X52001 131242	GEN-33E	Endothelin 3	1700	1590C>T	3
EDN3	X52001 131242	GEN-33E	Endothelin 3	1742	1632C>T	3
EDN3	X52001 131242	GEN-33E	Endothelin 3	1797	1687G>T	3
EDN3	X52001 131242	GEN-33E	Endothelin 3	1914	1804G>C	3
EDN3	X52001 131242	GEN-33E	Endothelin 3	2040	1930C>T	3

X52425	X52425 147781	GEN-59	Interleukin 4 receptor	3044	2869G>A	3
X52425	X52425 147781	GEN-59	Interleukin 4 receptor	3289	3114A>G	3
X52425	X52425 147781	GEN-59	Interleukin 4 receptor	3391	3216C>T	3
X52479	X52479 178960	GEN-LM	Protein kinase C, alpha	908	881A>C	D294A
FGFR2	X52832 178943	GEN-341	Human bek mRNA for fibroblast growth factor receptor-BEK	338	159A>G	S
FGFR2	X52832 178943	GEN-341	Human bek mRNA for fibroblast growth factor receptor-BEK	2903	2724A>T	3
CHRNA3	X53559 118503	GEN-341	Nicotinic, Cholinergic receptor-BEK	212	212A>G	D71G
CHRNA3	X53559 118503	GEN-341	Nicotinic, Cholinergic receptor alpha 3	552	552C>T	S
TNNI3	X54163 191044	GEN-34U	Human mRNA for cardiac troponin I	626	537G>A	S
FGFR4	X57205 134935	GEN-37M	Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4)	83	28G>A	V10I
FGFR4	X57205 134935	GEN-37M	Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4)	217	162T>G	S
YWHA _B	X57346 601289	GEN-37R	H.sapiens mRNA for HS1 protein	432	60C>A	S
YWHA _B	X57346 601289	GEN-37R	H.sapiens mRNA for HS1 protein	1135	763T>C	3
X57830	X57830 182135	GEN-7V	Serotonin 5-HT2 receptor	247	102T>C	S
GPX3	X58295 138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	821	773C>T	3
GPX3	X58295 138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	979	931G>A	3
GPX3	X58295 138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1187	1139T>G	3
GPX3	X58295 138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1354	1306C>T	3
GPX3	X58295 138321	GEN-	Human GPx-3 mRNA for plasma glutathione peroxidase	1443	1355C>T	3

GPX3	X58295 138321	38S	plasma glutathione peroxidase	Human GPx-3 mRNA for 1516	1468C>A	3
GPX3	X58377 138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1533C>T	3	
X58377	X58377 147681	GEN-38V	Human GPx-3 mRNA for plasma glutathione peroxidase	Interleukin 11 807	744A>G	3
X58377	X58377 147681	GEN-38V	Human GPx-3 mRNA for plasma glutathione peroxidase	Interleukin 11 927	864T>G	3
X58377	X58377 147681	GEN-38V	Human GPx-3 mRNA for plasma glutathione peroxidase	Interleukin 11 1964	1901T>C	3
DRD1	X58987 126449	GEN-4EH	D1 dopaminergic receptor 229	(-48)A>G	5	
DRD1	X58987 126449	GEN-4EH	D1 dopaminergic receptor 366	90G>A	S	
DRD1	X58987 126449	GEN-4EH	D1 dopaminergic receptor 474	198G>A	S	
DRD1	X58987 126449	GEN-4EH	D1 dopaminergic receptor 1539	1263G>A	S	
DRD1	X58987 126449	GEN-4EH	D1 dopaminergic receptor 2040	1764A>C	3	
DRD1	X58987 126449	GEN-4EH	D1 dopaminergic receptor 2045	1769C>A	3	
X59842	X59842 600214	GEN-3A3	Human PBX2 mRNA 2339	2043T>G	3	
X60069	X60069 231950	GEN-3AJ	Human mRNA for 102 pancreatic gamma-glutamyltransferase	(-257)G>A	5	
X60069	X60069 231950	GEN-3AJ	Human mRNA for 336 pancreatic gamma-glutamyltransferase	(-23)C>T	5	
X60069	X60069 231950	GEN-3AJ	Human mRNA for 1173 pancreatic gamma-glutamyltransferase	815C>T	A272V	
X60069	X60069 231950	GEN-3AJ	Human mRNA for 1173 pancreatic gamma-glutamyltransferase	815C>T	A272V	
X60069	X60069 231950	GEN-	Human mRNA for 1399	1041C>T	S	

X60069	X60069 231950	3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1409	1051G>T	A351S
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1482	1124C>T	T375M
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1591	1233G>A	S
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1624	1266C>T	S
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1637	1279C>A	P427T
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1651	1293C>T	S
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1662	1304T>C	V435A
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1783	1425A>G	S
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1794	1436C>T	T479M
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1795	1437G>A	S
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 1981	1623C>T	S
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 2007	1649C>T	T550M
X60069	X60069 231950	GEN-3AJ	pancreatic gamma-glutamyltransferase Human mRNA for 2031	1673C>T	S558L

X60069	X60069 231950	GEN-3AJ	Human mRNA for 2047 pancreatic gamma-glutamyltransferase	1689C>T	S
X60069	X60069 231950	GEN-3AJ	Human mRNA for 2147 pancreatic gamma-glutamyltransferase	1789C>T	3
X60069	X60069 231950	GEN-3AJ	Human mRNA for 2176 pancreatic gamma-glutamyltransferase	1848C>T	3
X60069	X60069 231950	GEN-3AJ	Human mRNA for 2224 pancreatic gamma-glutamyltransferase	1866C>A	3
X60957	X60957 600222	GEN-3BF	Human mRNA for 2194 putative receptor tyrosine kinase 1-phosphorylates	2158G>A	A720T
X61157	X61157 109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	96A>C	S
X61157	X61157 109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1265A>G	H422R
X61157	X61157 109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1394G>A	R465K
X61157	X61157 109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1659C>T	S
X61157	X61157 109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1716T>C	S
X61157	X61157 109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	2869G>A	3
NFKB2	X61498 164012	GEN-3BW	H.sapiens mRNA for NF- kB subunit	2294C>T	P765L
KDR	X61656 191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor	2308A>G	T770A
KDR	X61656 191306	GEN-3BZ	H.sapiens mRNA for tyrosine kinase growth factor receptor	2353G>C	G785R
			tyrosine kinase		

KDR	X61656 191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2499	2499C>G	N833K
KDR	X61656 191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2537	2537A>T	E846V
KDR	X61656 191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	4123	4123G>C	3
X63359	X63359 600070	GEN-3DC	H.sapiens UGT2B10 mRNA for UDP-glucuronosyltransferase	1516	1506C>T	S
X63359	X63359 600070	GEN-3DC	H.sapiens UGT2B10 mRNA for UDP-glucuronosyltransferase	2714	2704G>A	3
ACLY	X64330 108728	GEN-3F0	H.sapiens mRNA for ATP-citrate lyase	3998	3914G>T	3
ACLY	X64330 108728	GEN-3F0	H.sapiens mRNA for ATP-citrate lyase	4229	4145A>C	3
X65019	X65019 147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	51	44G>A	R15H
X65019	X65019 147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	116	109A>C	K37Q
X65019	X65019 147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	261	254G>A	G85E
X66364	X66364 123631	GEN-3GM	H.sapiens mRNA for PSSALRE for serine/threonine protein kinase	495	471T>G	C157W
X66403	X66403 100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2236	2225G>T	3
X66403	X66403 100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2333	2322A>G	3
X66403	X66403 100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2364	2353G>T	3

X69117	X69117 109636	GEN-5G	BETA-ADRENERGIC RECEPTOR KINASE 2	1182	1182T>C	S
X69117	X69117 109636	GEN-5G	BETA-ADRENERGIC RECEPTOR KINASE 2	1609	1609G>A	E537K
X69141	X69141 184420	GEN-3J9	H.sapiens mRNA for squalene synthase	112	21T>C	S
X69141	X69141 184420	GEN-3J9	H.sapiens mRNA for squalene synthase	292	201C>T	S
X69141	X69141 184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1436	1345T>C	3
X69141	X69141 184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1579	1488T>C	3
X69141	X69141 184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1621	1530C>T	3
X69141	X69141 184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1719	1628A>C	3
X69141	X69141 184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1904	1813G>C	3
X70811	X70811 109691	GEN-3KK	beta-3-adrenergic receptor	315	190T>C	W64R
X70811	X70811 109691	GEN-3KK	beta-3-adrenergic receptor	315	190T>C	W64R
X71440	X71440 None	GEN-3KS	H.sapiens mRNA for peroxisomal acyl-CoA oxidase	949	936G>C	M312I
GPX4	X71973 138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	718	638T>C	3
GPX4	X71973 138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	837	757C>A	3
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1380	1155C>T	S
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1503	1278C>T	S

NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2048	1823C>T	S608L
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2287	2062G>A	G688S
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2339	2114A>G	D705G
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2583	2358T>C	S
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2982	2757A>G	S
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3022	2797C>G	R933G
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3051	2826C>T	S
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3693	3468T>C	3
NOS2A	X73029 163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3715	3490G>A	3
PREP	X74496 600400	GEN-3NB	Prolyl Endopeptidase	390	390T>C	S
PREP	X74496 600400	GEN-3NB	Prolyl Endopeptidase	1051	1051T>G	L351V
PREP	X74496 600400	GEN-3NB	Prolyl Endopeptidase	1125	1125C>T	S
PREP	X74496 600400	GEN-3NU	Prolyl Endopeptidase	1363	1363G>A	V455M
X75299	X75299 192321	GEN-3NU	H.sapiens HIVR mRNA for vasoactive intestinal peptide (VIP) receptor	1915	1904T>C	3
X75299	X75299 192321	GEN-3NU	H.sapiens HIVR mRNA for vasoactive intestinal peptide (VIP) receptor	2475	2464T>C	3
MTP	X75500 157147	GEN-3O7	H.sapiens mRNA for microsomal triglyceride transfer protein	1847	1823T>G	F608C
MTP	X75500 157147	GEN-3O7	H.sapiens mRNA for microsomal triglyceride transfer protein	3231	3207G>A	3
X75913	X75913 601269	GEN-3OG	H.sapiens mRNA for gC1q-R	1052	974A>G	3
X75913	X75913 601269	GEN-3OG	H.sapiens mRNA for gC1q-R	1074	996T>C	3

			3OG	R			
X76180	X76180	600228	GEN-N5	Solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (anionporter, Na ⁺ /H ⁺ , amiloride sensitive)	1802G>A	G601D	
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for 191 lysosomal acid lipase	46A>C	T16P	
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for 212 lysosomal acid lipase	67G>A	G23R	
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for 967 lysosomal acid lipase	822G>A	M274I	
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for 1531 lysosomal acid lipase	1386G>T	3	
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for 2254 lysosomal acid lipase	2109A>T	3	
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for 2439 lysosomal acid lipase	2294C>T	3	
X77094	X77094	601488	GEN-3PK	H.sapiens mRNA for 865 p40phox	735C>T	S	
YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta 953 subtype mRNA	753A>G	3	
YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta 960 subtype mRNA	760G>A	3	
YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta 1387 subtype mRNA	1187C>T	3	
X78282	X78282	601292	GEN-LVF	H.sapiens mRNA for aryl sulfotransferase (ST1A2)	895T>C	3	
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	1922G>A	3	
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	2378G>A	3	
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	2382G>A	3	
X79483	X79483	602399	GEN-LPR	H.sapiens ERK6 mRNA for extracellular signal regulated kinase	1254T>G	3	
TNNT2	X79857	191045	GEN-3TJ	H.sapiens HTNT4 mRNA for cardiac troponin T	80G>T	W27L	
TNNT2	X79857	191045	GEN-3TJ	H.sapiens HTNT4 mRNA for cardiac troponin T	114G>C	S	
TNNT2	X79857	191045	GEN-3TJ	H.sapiens HTNT4 mRNA for cardiac troponin T	193G>T	F	

TNNT2	X79857	191045	GEN-3TJ	H.sapiens HTNT4 mRNA for cardiac troponin T	920	809C>A	3
X80230	X80230	603251	GEN-3UM	H.sapiens mRNA (clone C-25 2k) mRNA for serine/threonine protein kinase	25	(-74)C>T	5
X80230	X80230	603251	GEN-3UM	H.sapiens mRNA (clone C-77 2k) mRNA for serine/threonine protein kinase	77	(-22)C>T	5
X80230	X80230	603251	GEN-3UM	H.sapiens mRNA (clone C-1516 2k) mRNA for serine/threonine protein kinase	1516	1418G>A	3
X80230	X80230	603251	GEN-3UM	H.sapiens mRNA (clone C-1574 2k) mRNA for serine/threonine protein kinase	1574	1476A>G	3
X81411	X81411	None	GEN-4EY	Serotonin 5-HT receptors 75 5-HT5a	75	76A>T	3
X83582	X83582	600734	GEN-3YD	Potassium channel Kir3.4	171	171C>T	5
X83582	X83582	600734	GEN-3YD	Potassium channel Kir3.4	834	834C>T	5
X83861	X83861	176806	GEN-5H	Prostaglandin E receptor 3 387 (subtype EP3) {alternative products}	387	180C>G	5
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	32	(-161)C>T	5
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	317	125G>A	R42H
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	435	243C>T	S
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	616	424G>A	V142I
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	663	471C>T	S
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	900	708T>C	3
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCI-2 homologue	974	782C>T	3

X86097	X86097	600967	GEN-400	H.sapiens mRNA for E2F-5 protein	162	132G>C	S
X86097	X86097	600967	GEN-400	H.sapiens mRNA for E2F-5 protein	1281	1251T>C	3
X86097	X86097	600967	GEN-400	H.sapiens mRNA for E2F-5 protein	1725	169A>C	3
X86681	X86681	602110	GEN-400	H.sapiens mRNA for nucleolar protein, HNP36	1725	1340G>A	3
X93086	X93086	109750	GEN-48G	H.sapiens mRNA for biliverdin IX alpha reductase	669	609G>A	S
X93086	X93086	109750	GEN-48G	H.sapiens mRNA for biliverdin IX alpha reductase	720	660A>G	S
X95190	X95190	601641	GEN-49Y	H.sapiens mRNA for Branched chain Acyl-CoA Oxidase	1394	1302C>T	S
X95190	X95190	601641	GEN-49Y	H.sapiens mRNA for Branched chain Acyl-CoA Oxidase	1934	1842C>A	S
X97058	X97058	602451	GEN-4BB	P2 purinoreceptor (P2Y6)	121	(-156)T>G	5
RYR2	X98330	180902	GEN-4CB	H.sapiens mRNA for Ryanodine receptor 2	13745	13624G>A	A4542T
RYR2	X98330	180902	GEN-4CB	H.sapiens mRNA for Ryanodine receptor 2	15541	15420T>G	3
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	4613	4468G>A	S1489N
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	6371	6224C>T	T2075M
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	6813	6666C>T	S
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	7150	7003G>A	V2335M
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	8685	8538C>A	3
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	504	186G>A	S
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	610	292C>G	R98G
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	911	593C>T	P198L

GPX1	Y00433 138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	1048	730A>C	3
GPX1	Y00433 138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	1110	792A>C	3
ALAS1	Y00451 125290	GEN-TE	Human mRNA for 5-aminolevulinate synthase	509	426T>G	S
ALAS1	Y00451 125290	GEN-TE	Human mRNA for 5-aminolevulinate synthase	608	525C>T	S
PAI2	Y00630 173390	GEN-U6	Human mRNA for Arg-Serpin (plasminogen activator-inhibitor 2, PAI-2)	430	358A>G	N120D
PAI2	Y00630 173390	GEN-U6	Human mRNA for Arg-Serpin (plasminogen activator-inhibitor 2, PAI-2)	1251	1179T>G	S
PAI2	Y00630 173390	GEN-U6	Human mRNA for Arg-Serpin (plasminogen activator-inhibitor 2, PAI-2)	1762	1690G>A	3
Y00692	Y00692 176880	GEN-6K	Anticoagulant protein S	785	586C>T	3
Y00692	Y00692 176880	GEN-6K	Anticoagulant protein S	910	711T>C	3
Y00692	Y00692 176880	GEN-6K	Anticoagulant protein S	1156	957G>T	3
Y00749	Y00749 131240	GEN-P7	Endothelin 1	846	594G>T	K198N
CR1	Y00816 120620	GEN-UG	Human mRNA for complement receptor type 1 (CR1, C3b/C4b receptor, CD35)	207	180G>C	E60D
Y07683	Y07683 600843	GEN-4F1	H.sapiens mRNA for P2X3 purinoreceptor	717	552C>T	S
Y07683	Y07683 600843	GEN-4F1	H.sapiens mRNA for P2X3 purinoreceptor	753	568A>G	S
Y08110	Y08110 602005	GEN-1FK	H.sapiens mRNA for 3641 mosaic protein LR11	3641	3561T>G	S
Y08110	Y08110 602005	GEN-1FK	H.sapiens mRNA for 3818 mosaic protein LR11	3818	3738C>T	S
Y08110	Y08110 602005	GEN-1FK	H.sapiens mRNA for 5158 mosaic protein LR11	5158	5078G>A	S1693N
Y08110	Y08110 602005	GEN-1FK	H.sapiens mRNA for 6571 mosaic protein LR11	6571	6491G>A	R2164K
Y08756	Y08756 602164	GEN-4EC	Serotonin 5-HT receptors 765 5-HT4	765	747T>C	S

Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	835	809A>G	H270R
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	946	920G>A	R307Q
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1068	1042G>A	A348T
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1096	1070C>G	T357S
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1405	1379A>G	Q460R
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1589	1563C>G	H521Q
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1590	1564G>A	\522I
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1628	1602G>T	S
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1759	1733G>A	R578Q
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1772	1746G>A	S
Y10659	Y10659	3001119	GEN-1J6	H.sapiens IL-13Ra mRNA	1116	1073G>A	G358D
IREB1	Z11559	147581	GEN-1KO	H.sapiens mRNA for iron regulatory factor	2855	2748T>C	3
IREB1	Z11559	147581	GEN-1KO	H.sapiens mRNA for iron regulatory factor	3162	3055C>A	3
IREB1	Z11559	147581	GEN-1KO	H.sapiens mRNA for iron regulatory factor	3460	3353A>T	3
Z11695	Z11695	176948	GEN-1L1	H.sapiens 40 kDa protein kinase related to rat ERK1	1287	1153G>A	3
Z11696	Z11696	601795	GEN-1L0	H.sapiens 44kDa protein kinase related to rat ERK1	449	449T>G	I150S
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	246	240T>C	S
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	1694	1688A>C	D563A
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	2033	2027G>A	3
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	2086	2080T>G	3
Z19585	Z19585	600715	GEN-22A	H.sapiens mRNA for thrombospondin-4	2135	2108G>A	C703Y

Z222555	Z222555 601040	GEN-264	H.sapiens encoding CLA-1 mRNA	1119	1050C>T	S
Z222555	Z222555 601040	GEN-264	H.sapiens encoding CLA-1 mRNA	2553	2484A>G	3
TPM1	Z24727 191010	GEN-280	H.sapiens tropomyosin isoform mRNA, complete	585	259G>T	F
TPM1	Z24727 191010	GEN-280	H.sapiens tropomyosin isoform mRNA, complete	606	280G>T	F
TPM1	Z24727 191010	GEN-280	H.sapiens tropomyosin isoform mRNA, complete	668	342C>A	S
TPM1	Z24727 191010	GEN-280	H.sapiens tropomyosin isoform mRNA, complete	780	454C>A	Q152K
TPM1	Z24727 191010	GEN-280	H.sapiens tropomyosin isoform mRNA, complete	1333	100T>C	3
TPM1	Z24727 191010	GEN-280	H.sapiens tropomyosin isoform mRNA, complete	1356	1030A>G	3
TPM1	Z24727 191010	GEN-280	H.sapiens tropomyosin isoform mRNA, complete	1553	1227T>G	3
Z26649	Z26649 600230	GEN-2B5	Phospholipase C beta-3	437	438C>T	3
Z26649	Z26649 600230	GEN-2B5	Phospholipase C beta-3	466	467G>A	3
Z26649	Z26649 600230	GEN-2B5	Phospholipase C beta-3	2664	2665C>T	3
Z26649	Z26649 600230	GEN-2B5	Phospholipase C beta-3	3168	3169G>T	3
CPO	Z28409 121300	GEN-2D8	H.sapiens coprox gene for coproporphyrinogen oxidase	1994	1994G>A	3
ECE1	Z35307 600423	GEN-2MA	Endothelin Converting Enzyme 1	1141	1104C>T	S
ECE1	Z35307 600423	GEN-2MA	Endothelin Converting Enzyme 1	1627	1590T>C	S
ECE1	Z35307 600423	GEN-	Endothelin Converting	1696	1659G>A	S

ECE1	Z35307	600423	2MA	GEN-Enzyme 1	Endothelin Converting Enzyme 1	1946	1909G>A	V637M
ECE1	Z35307	600423	2MA	GEN-Enzyme 1	Endothelin Converting Enzyme 1	2433	2396G>A	3
Z35491	Z35491	601497	2MA	GEN- H.sapiens mRNA for novel glucocorticoid receptor- associated protein	glucocorticoid receptor- associated protein	315	37G>A	E13K
Z35491	Z35491	601497	2ME	GEN- H.sapiens mRNA for novel glucocorticoid receptor- associated protein	glucocorticoid receptor- associated protein	333	55G>A	E19K
Z35491	Z35491	601497	2ME	GEN- H.sapiens mRNA for novel glucocorticoid receptor- associated protein	glucocorticoid receptor- associated protein	1297	1019A>C	3
Z48810	Z48810	602664	2YJ	GEN- H.sapiens mRNA for TX protease precursor	protease precursor	1280	1239A>C	3
Z69881	Z69881	601929	3JV	GEN- H.sapiens mRNA for adenosine triphosphatase, calcium	adenosine triphosphatase, calcium	2023	2017G>A	A673T
Z69881	Z69881	601929	3JV	GEN- H.sapiens mRNA for adenosine triphosphatase, calcium	adenosine triphosphatase, calcium	3636	3630C>G	3

Table 18. Identified Variances in Genes or Related Pathways involved in Cancer and Related Disorders

human DNA mismatch repair protein hMLH1/MutL	U07418	120436	SER252TER
human DNA mismatch repair protein hMLH1/MutL	U07418	120436	SER44PHE
human DNA mismatch repair protein hMLH1/MutL	U07418	120436	3-BP DEL LYS618DEL
human DNA mismatch repair protein hMLH1/MutL	U07418	120436	3.5-KB DEL
human DNA mismatch repair protein hMLH1/MutL	U07418	120436	G-to-A intron 5 frameshift splice junction
human DNA mismatch repair protein hMLH1/MutL	U07418	120436	370:BP DEL frameshift
human DNA mismatch repair protein hMLH1/MutL	U07418	120436	IVS14DS, 7-BP DEL AND 4-BP INS
human DNA mismatch repair protein hMLH1/MutL	U07418	120436	HIS329PRO
human DNA mismatch repair protein hMLH1/MutL	U07418	120436	1784delT truncated

repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL	U07418	120436	676C-T ARG226TER
human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL	U07418	120436	GGG to TGG GLY67TRP
human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL	U07418	120436	A-->T codon 26
human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL	U07418	120436	GG-->AT 177 and 178
human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL	U07418	120436	-93 nt
human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL	U07418	120436	Val384Asp
human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL	U07418	120436	T insertion 3 splice site post exon 9
human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein hMLH1/MutL	U07418	120436	deletion of codon 618K
human DNA mismatch repair protein hMLH1/MutL human DNA mismatch repair protein	U07418	120436	A-to-G transition exon 6
			exon 5 missense

hMLH1/MutL human DNA mismatch repair protein	U07418	120436	exon 9 missense
hMLH1/MutL topoisomerase IIb	U54831	126431	reported
O6 alkylguanine-DNA alkyltransferase	M60761	156569	GGG to AGA GLY160ARG
class I aldehyde dehydrogenase	M26761	100640	none found
glutathione-S- transferase GSTA4	AF020918	*****	none found
glutathione-S- transferase GSTM3	J05459	138390	3bp deletion intron 6
glutathione-S- transferase GSTT1	X79389	600436	null genotype
glutathione-S- transferase GSTT2	L38503	600437	none found
glutathione peroxidase GPx1	Y00433	138320	P197L
glutathione peroxidase GPx1	Y00433	138320	1167T/C Silent
glutathione peroxidase GPx2	X68314	138319	A/T intron
glutathione peroxidase GPx2	X68314	138319	TC repeats intron
glutathione peroxidase GPx3	X58295	138321	none found
glutathione peroxidase GPx4	X71973	138322	none found
glutathione peroxidase GPx5	AJ005277	603435	none found

glutathione reductase	X15722	138300	two polymorphisms reported
N-methylpurine-DNA glycosylase	M74905	156565	none found
proliferating cell nuclear antigen	J04718	176740	none found
multidrug resistance associated protein	L05628	158343	none found
MRP1			
multidrug resistance associated protein	U83659	601107	none found
MRP2			
dihydrofolate reductase	J00140	126060	intronic polymorphism
dihydrofolate reductase thymidylate synthetase	X02308	126060	2 RFLP's
thymidylate synthetase	X02308	188350	5' trimucleotide repeat
thymidylate synthetase	X02308	188350	tyr33his
human cell adhesion protein SQM1	M333374	603842	A->G 3'UTR
reduced folate carrier	U19720	600424	none found
RFC1			
thymidylate synthetase	X02308	188350	Triple tandem 5'end
thymidylate synthetase	X02308	188350	tyr33his
cytidine deaminase	L27943	123920	none found
folylpolyglutamate synthetase FPGS	M98045	136510	none found
gamma-glutamyl hydrolase GGH	U55206	601509	none found
dihydropyrimidine	U09178	274270	165-BP DEL

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